

LT-26X575/KA, LT-26X585/KA

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply



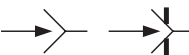
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated





(5)Test point

-  : Test point
-  : Only test point display

(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND and the ISOLATED(NEUTRAL) : (\perp) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

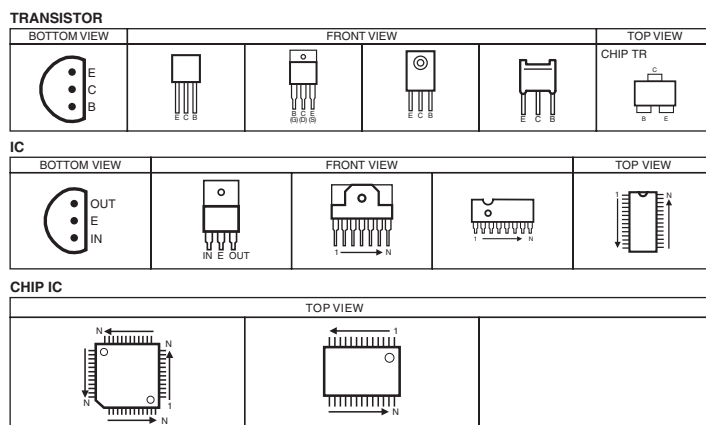
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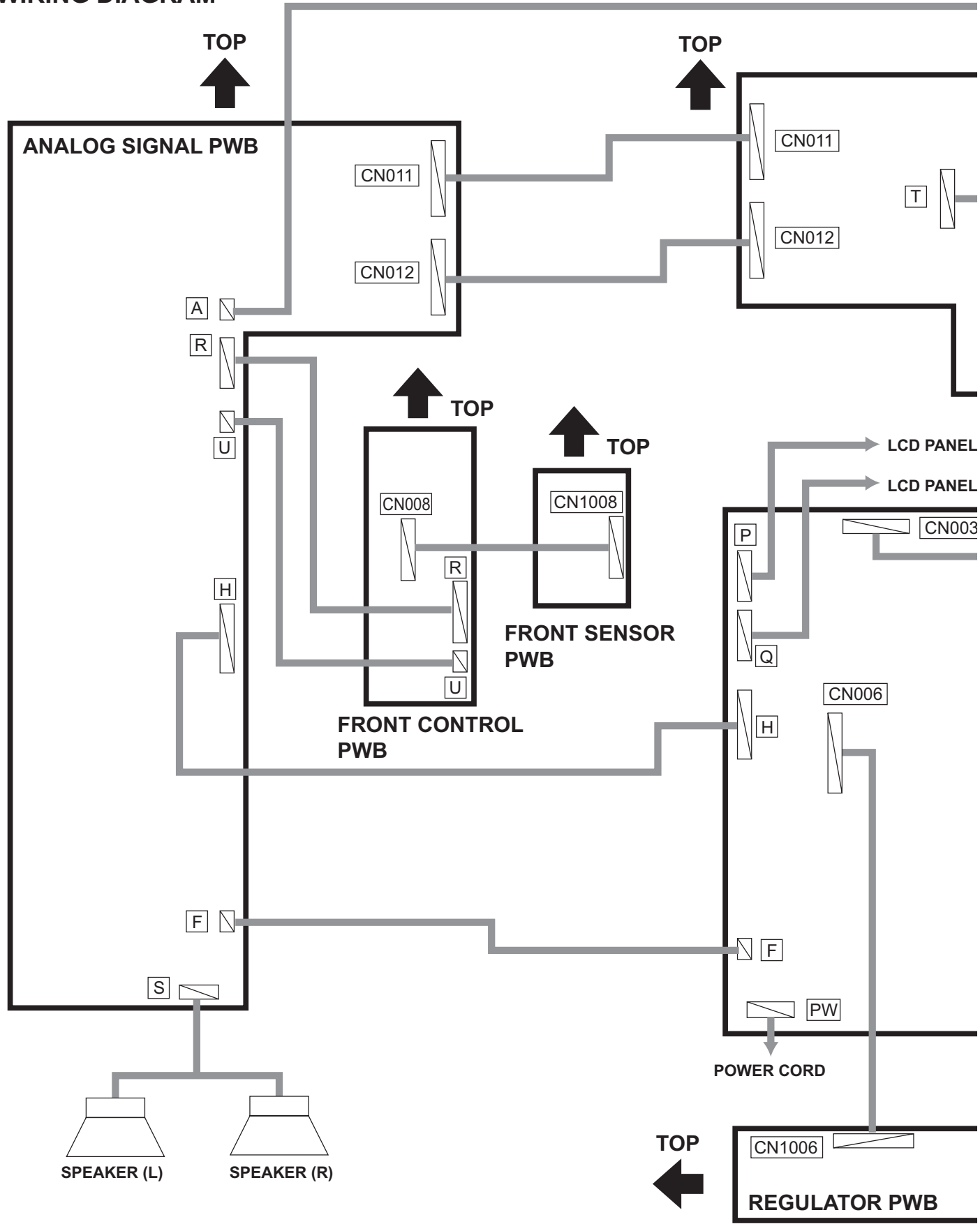
USING P.W. BOARD

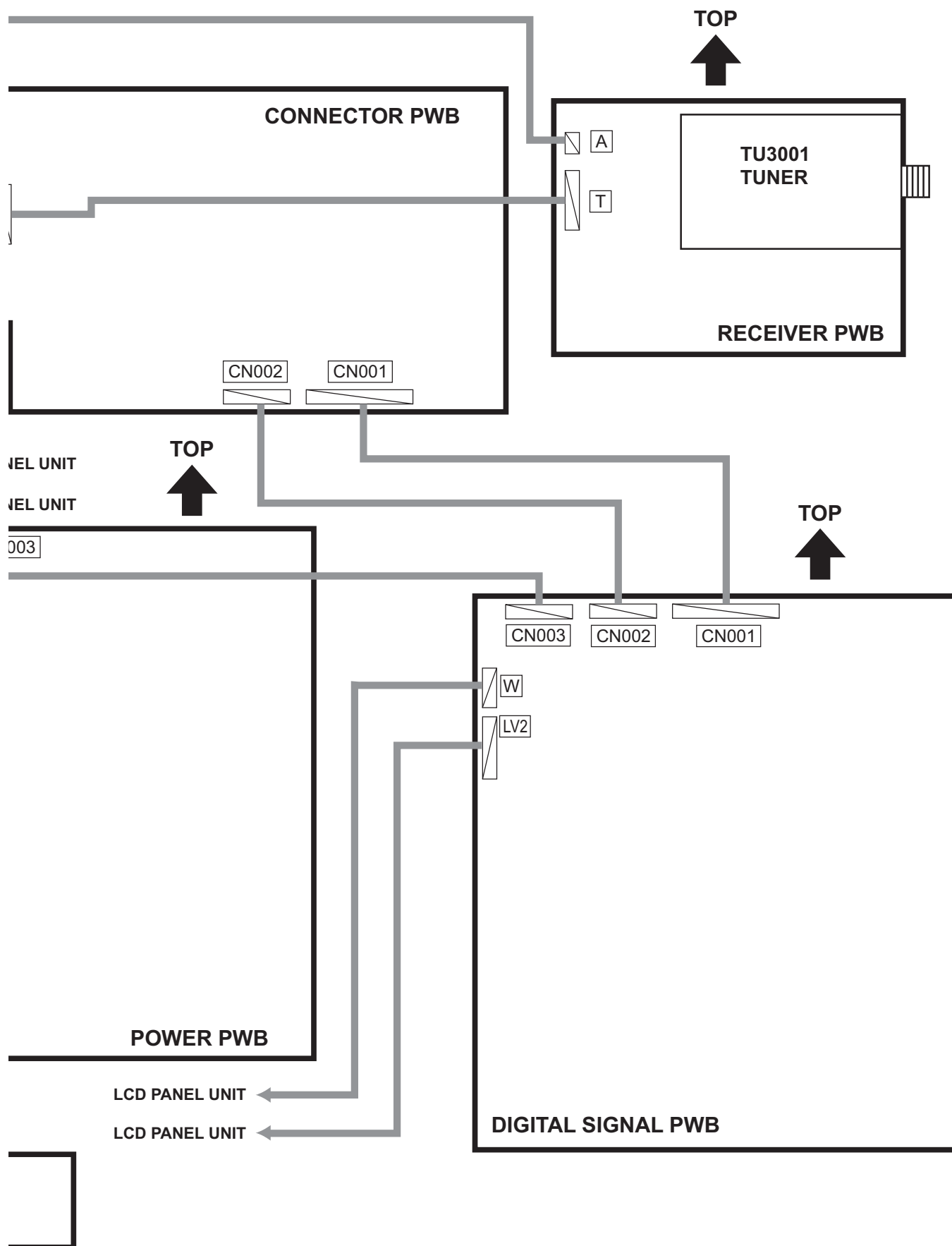
P.W.B ASS'Y name	LT-26X575/KA	LT-26X585/KA
ANALOG SIGNAL P.W.B	SFL-1011A-M2	←
CONNECTOR P.W.B	SFL-4011A-M2	←
FRONT CONTROL P.W.B	SFL-7011A-M2	←
FRONT SENSOR P.W.B	SFL-8011A-M2	←
POWER P.W.B	SFL-9004A-M2	←
REGURATOR P.W.B	SFL-9104A-M2	←
DIGITAL SIGNAL P.W.B	SFL0D103A-M2	SFL0D101A-M2
RECEIVER P.W.B	SFL0F101A-M2	←

SEMICONDUCTOR SHAPES

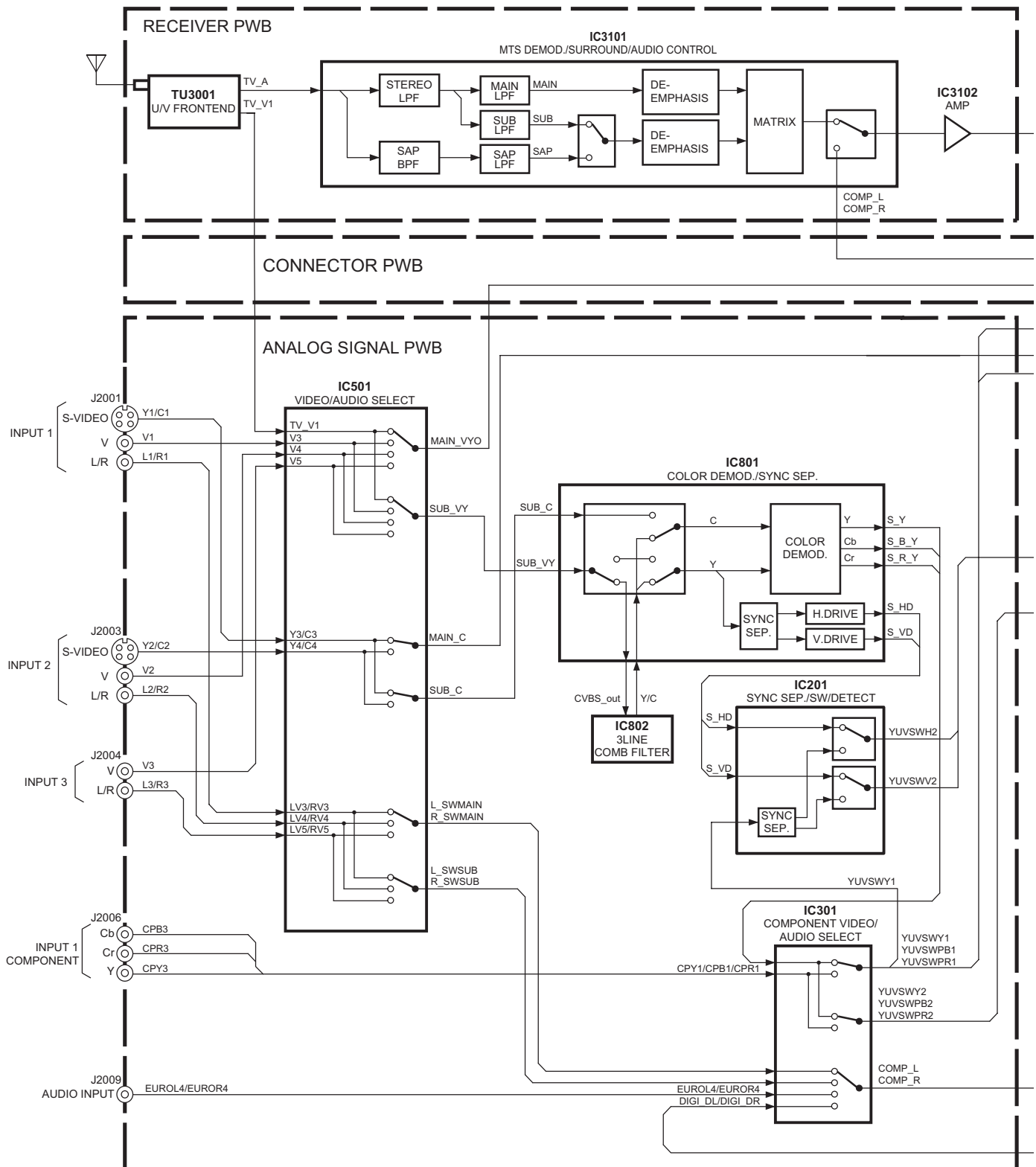


WIRING DIAGRAM



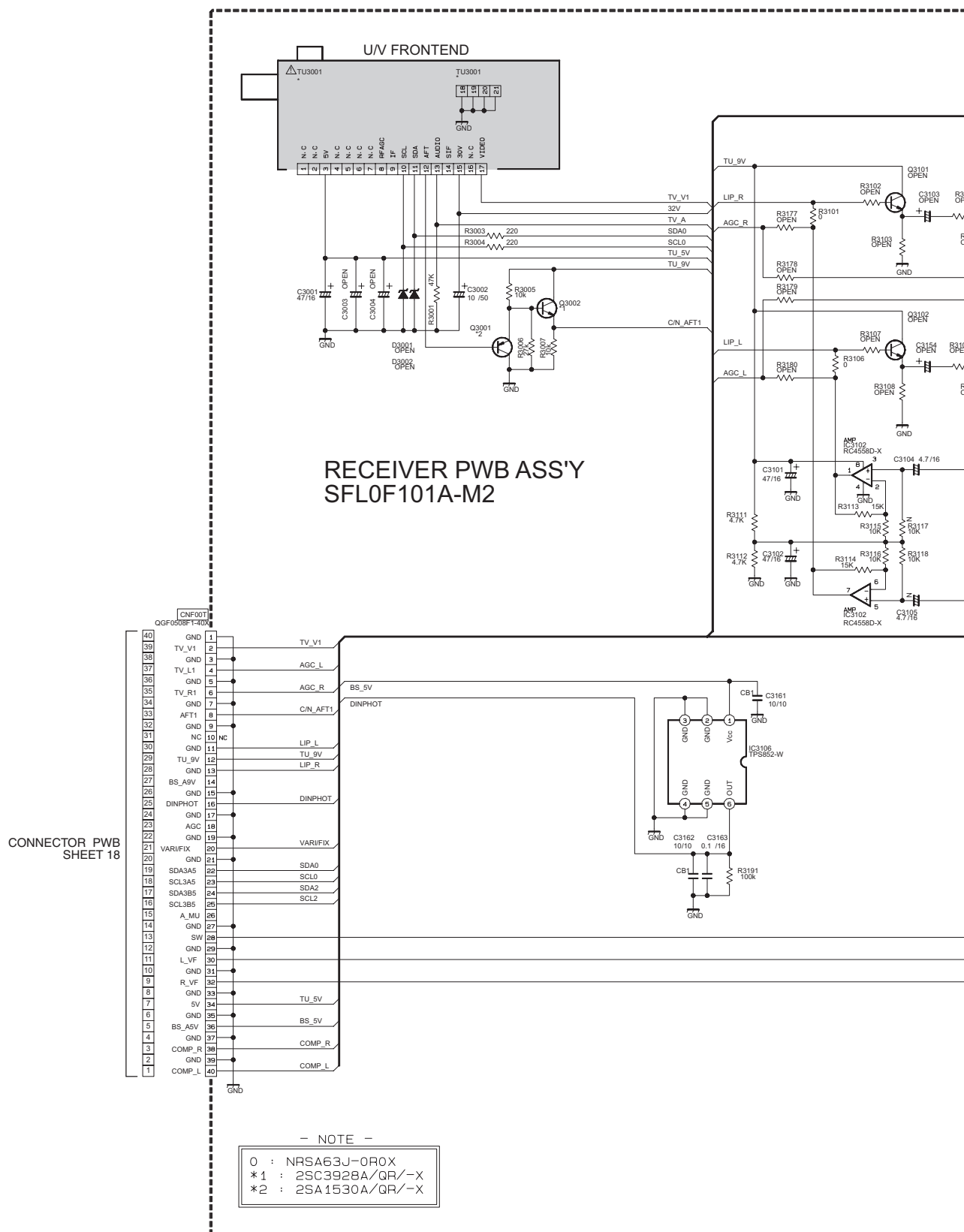


BLOCK DIAGRAM



CIRCUIT DIAGRAMS

RECEIVER PWB CIRCUIT DIAGRAM SHEET1



SIGNAL I
SHEET 6

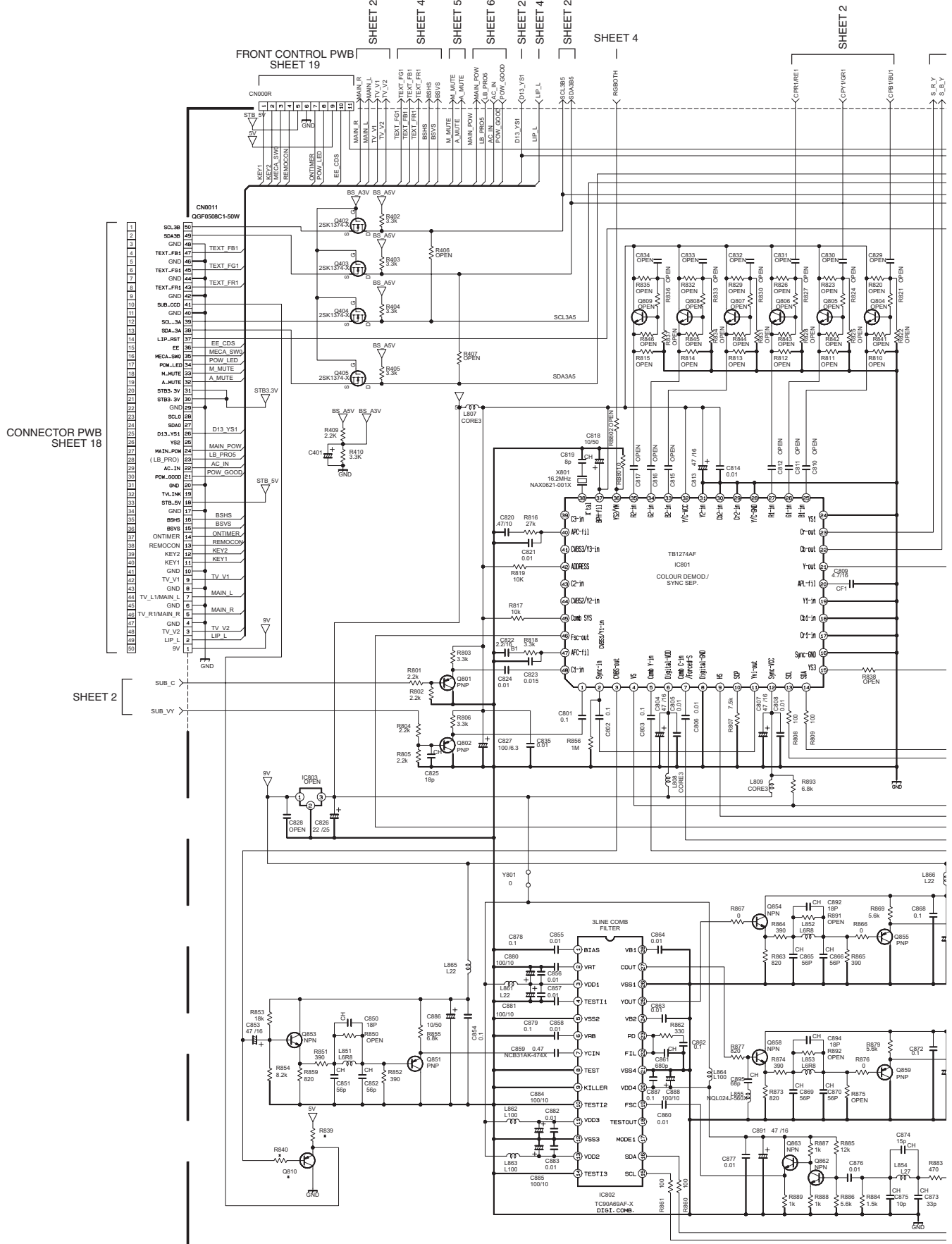
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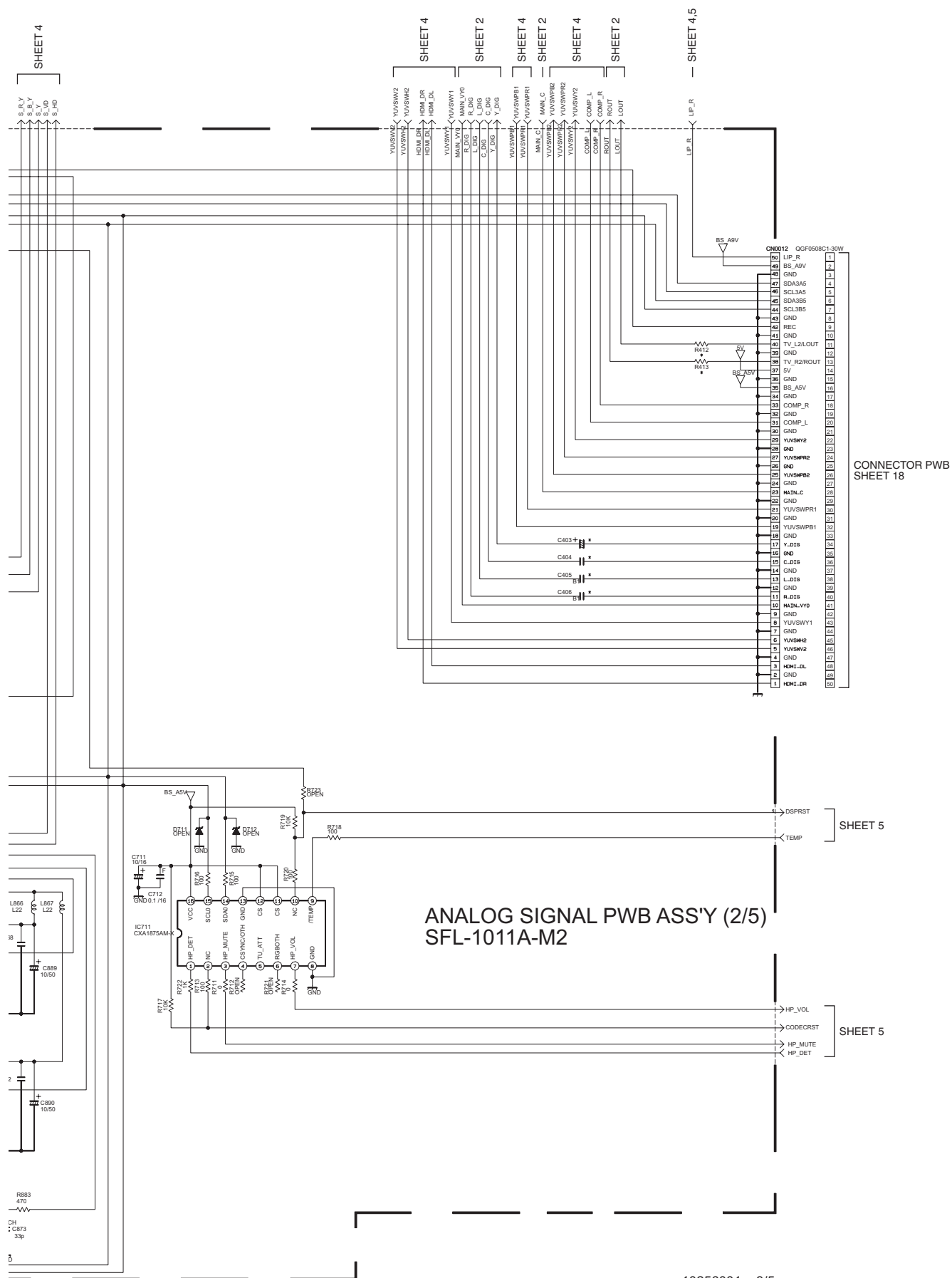
2-9(No.YA179)



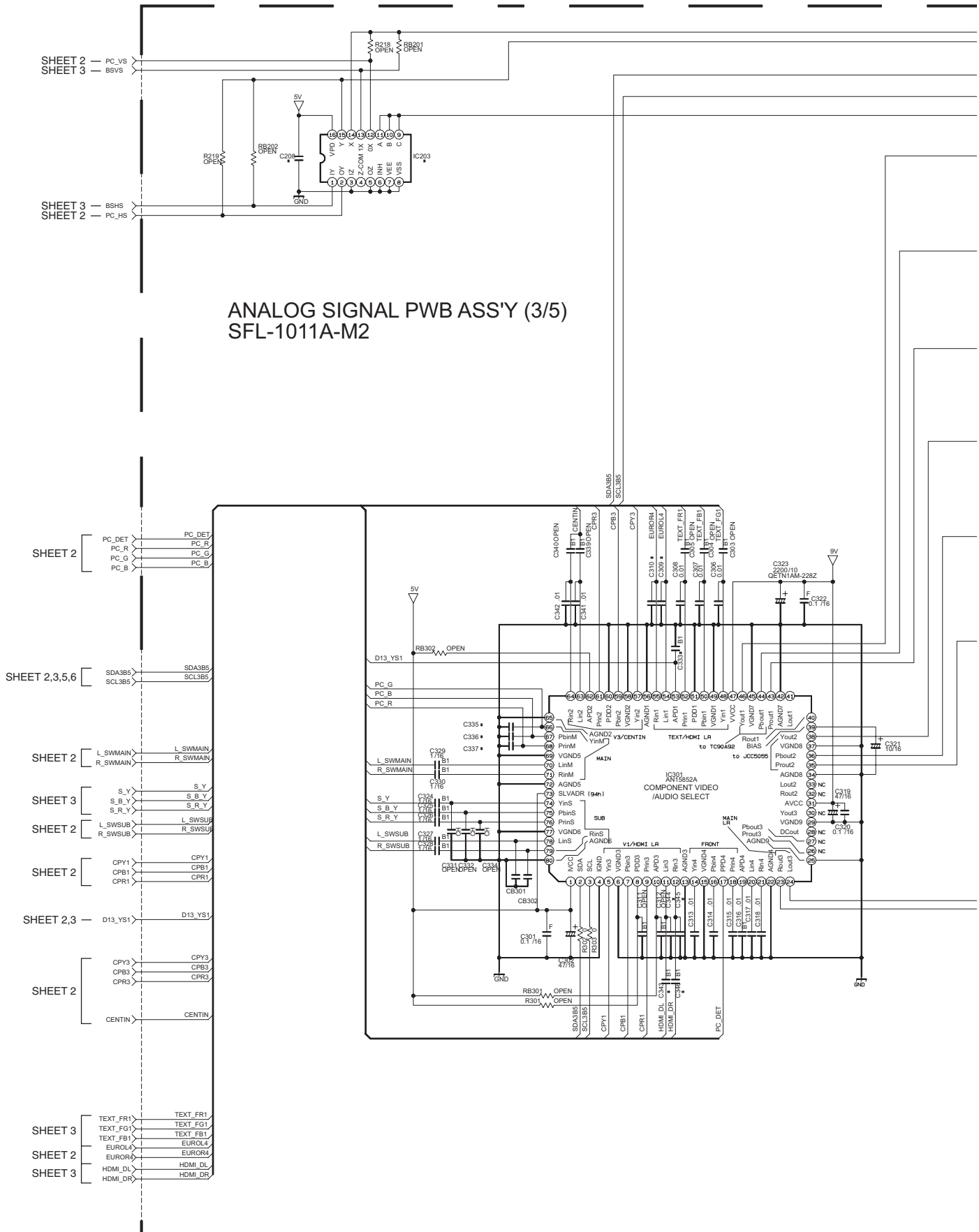


ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3

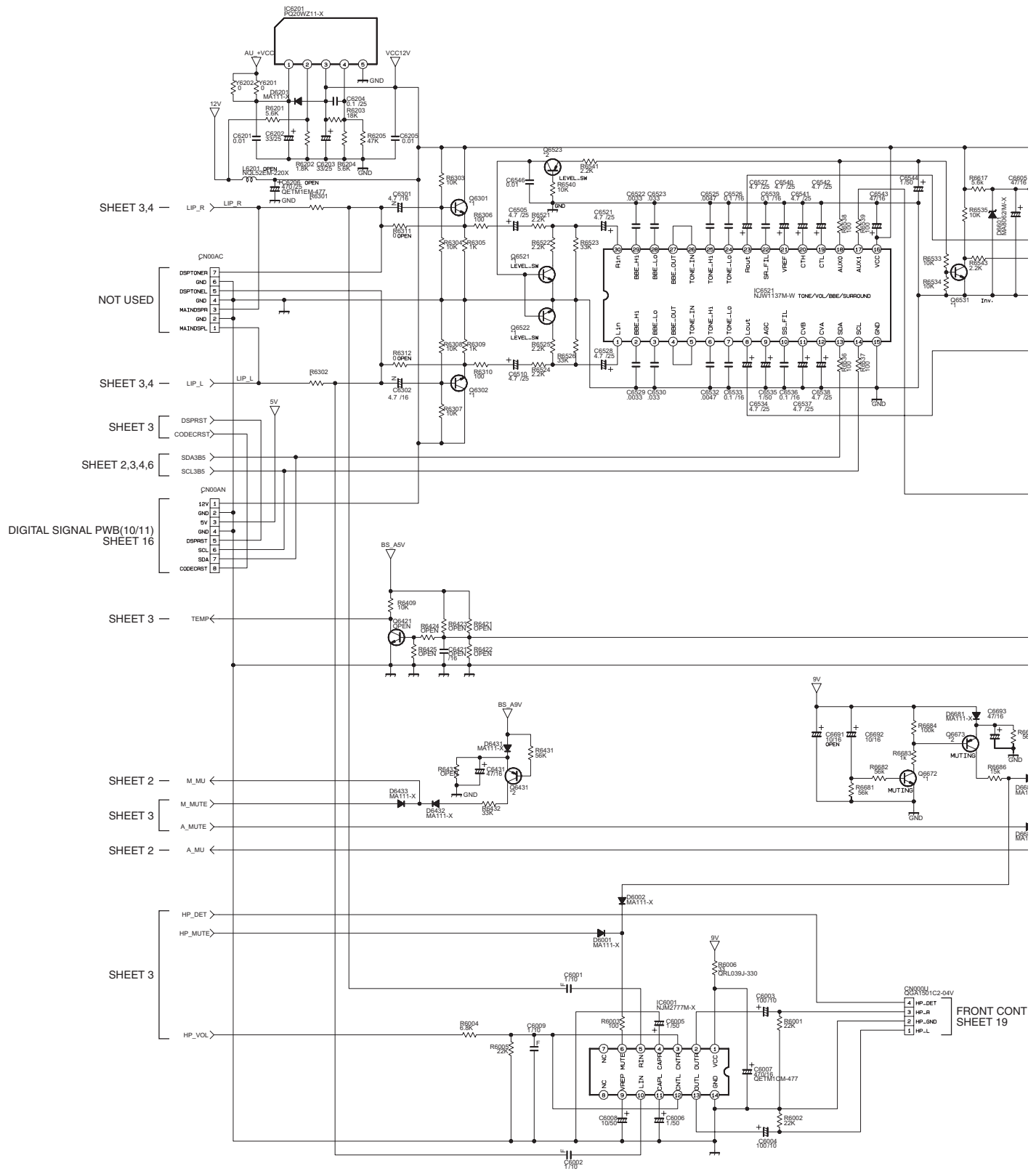




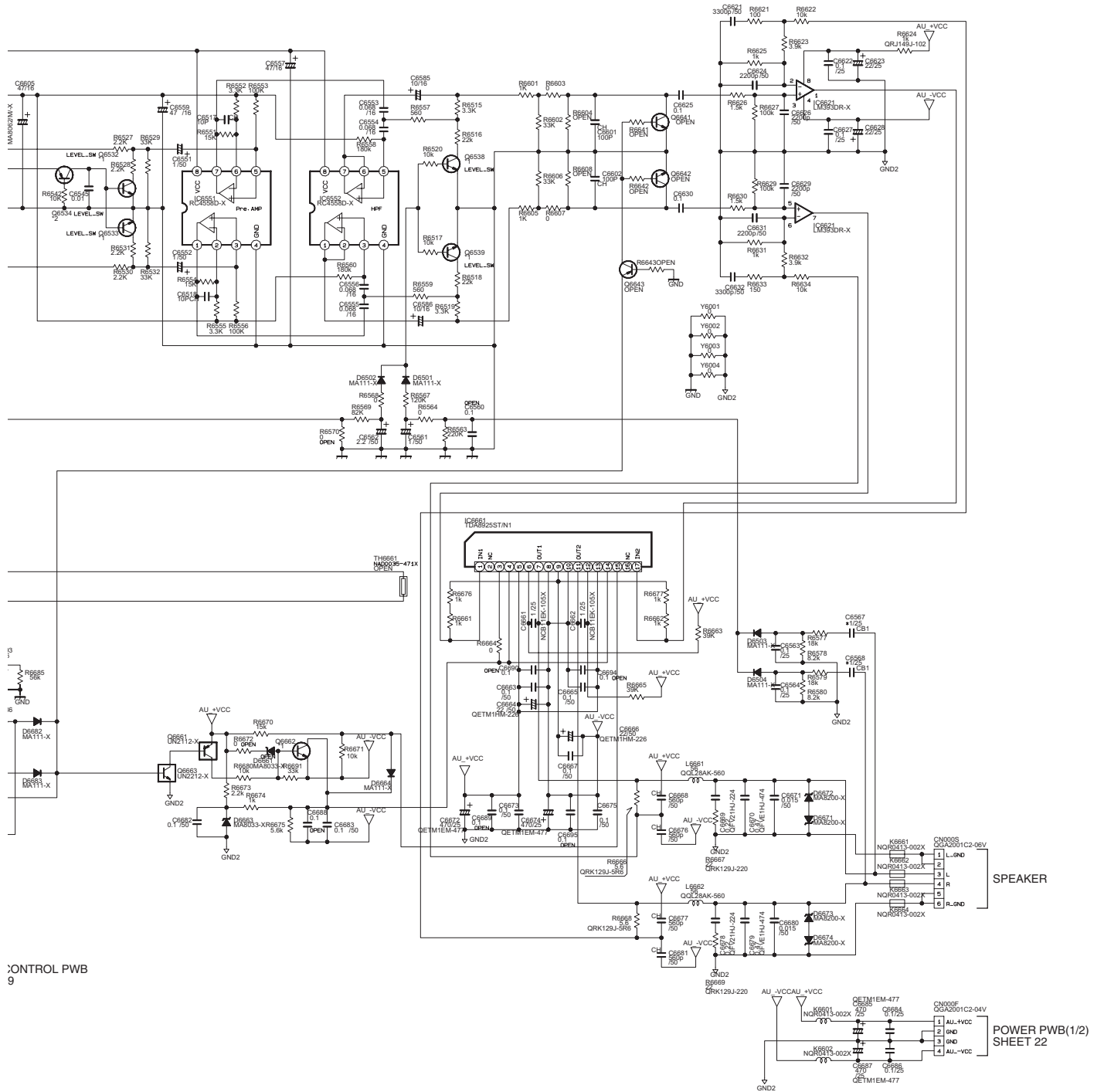
2-13(No.YA179)



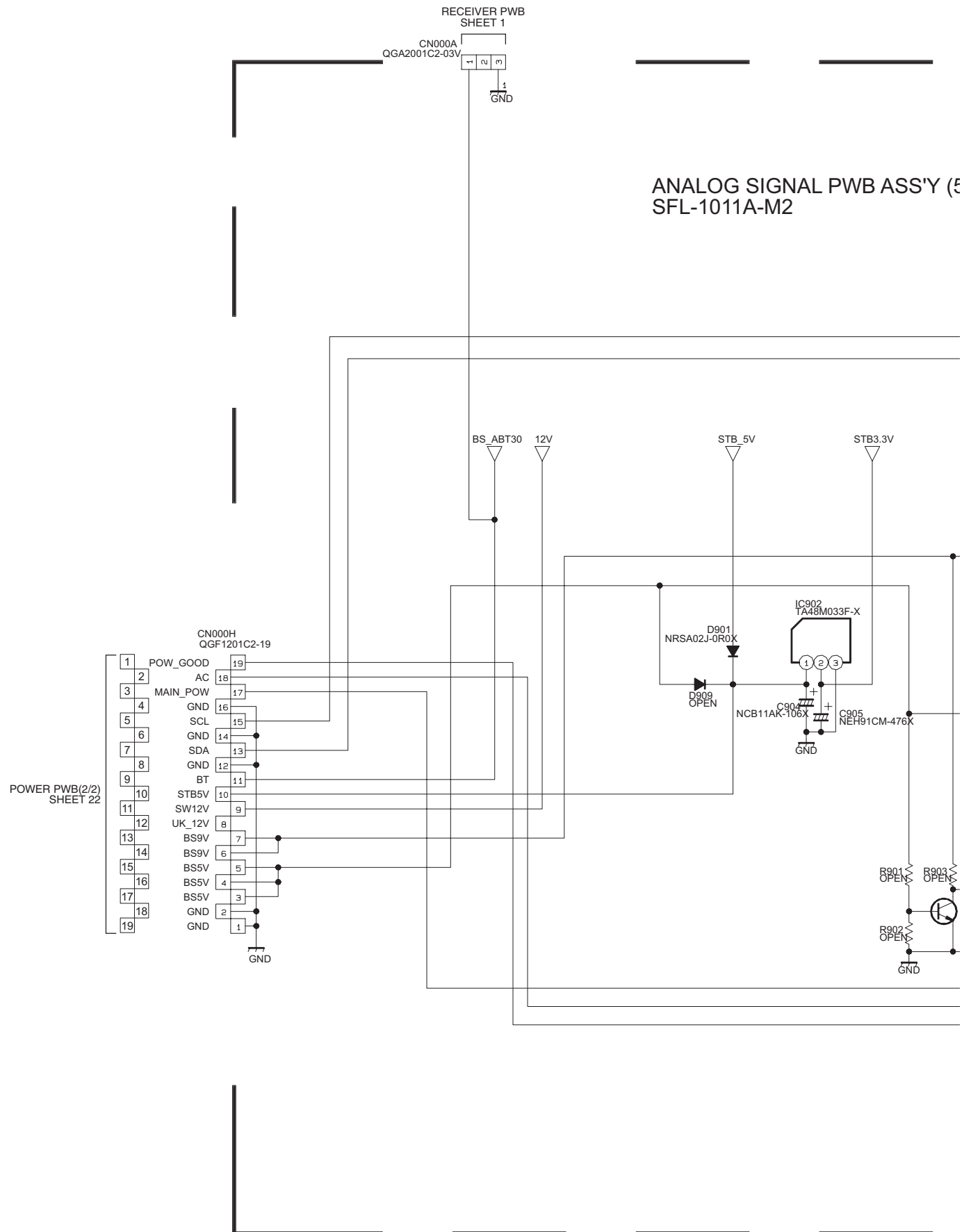
2-15(No.YA179)



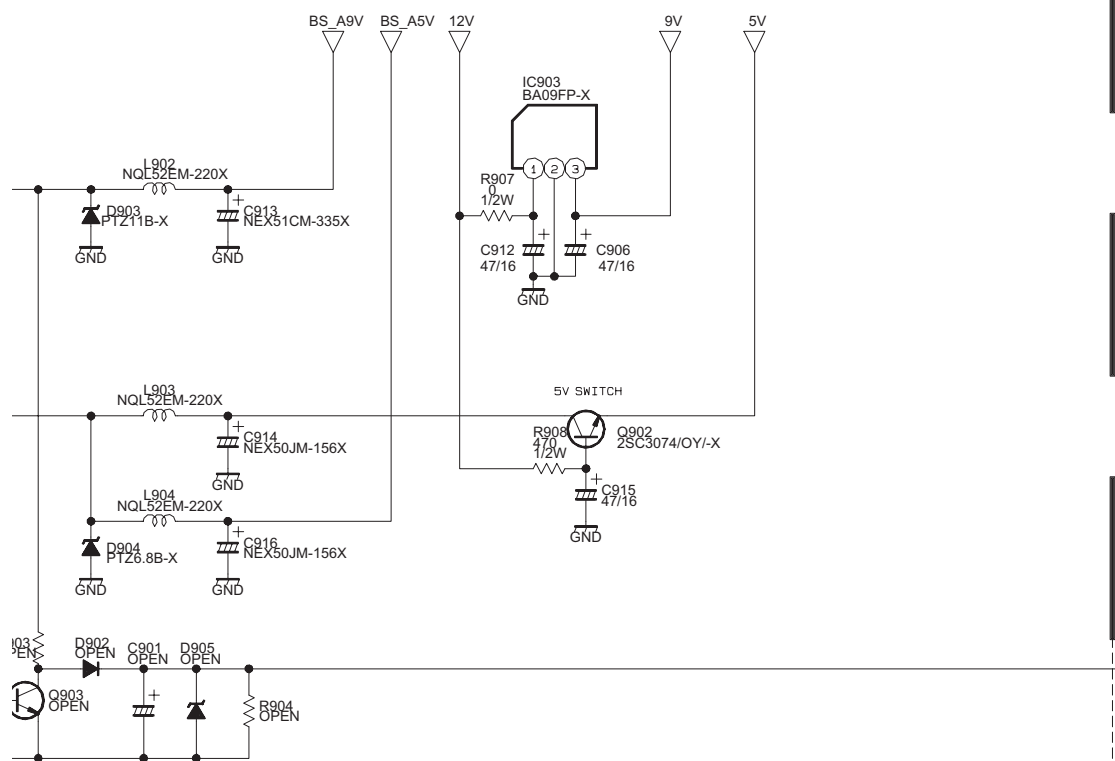
ANALOG SIGNAL PWB ASS'Y (4/5) SFL-1011A-M2




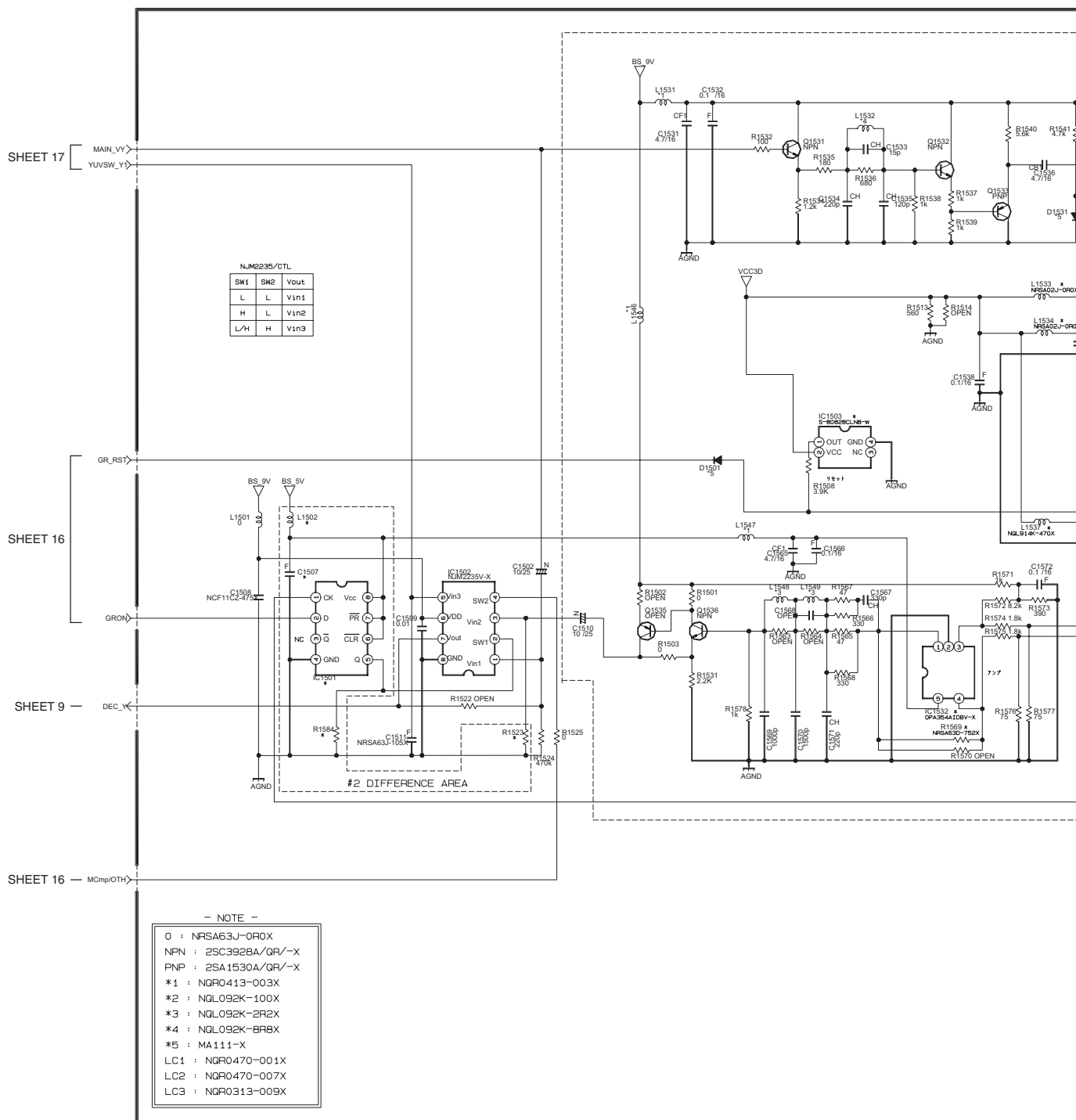
2-17(No.YA179)



' (5/5)





#2 DIFFERENCE LIST
(JPN MODEL/ etc)

NOTE	JPN	US	EU	ASIA, etc
Belling Country				
ASST No	BFL-00000A (etc)	BFL-00100A (etc)	BFL-00200A (etc)	BFL-00300A (etc)
	OLL000013 (etc)	OLL00013 (etc)	OLL00013 (etc)	OLL00013 (etc)
L1502	*1	OPEN	OPEN	OPEN
C1507	0.1/16	OPEN	OPEN	OPEN
IC1501	IC1501	OPEN	OPEN	OPEN
R1584	OPEN	0	0	0
R1523	1M	NCF31V2Z-10X	NCF31V2Z-10X	NCF31V2Z-10X

*The blank part of a difference list
Refer to circuit block.

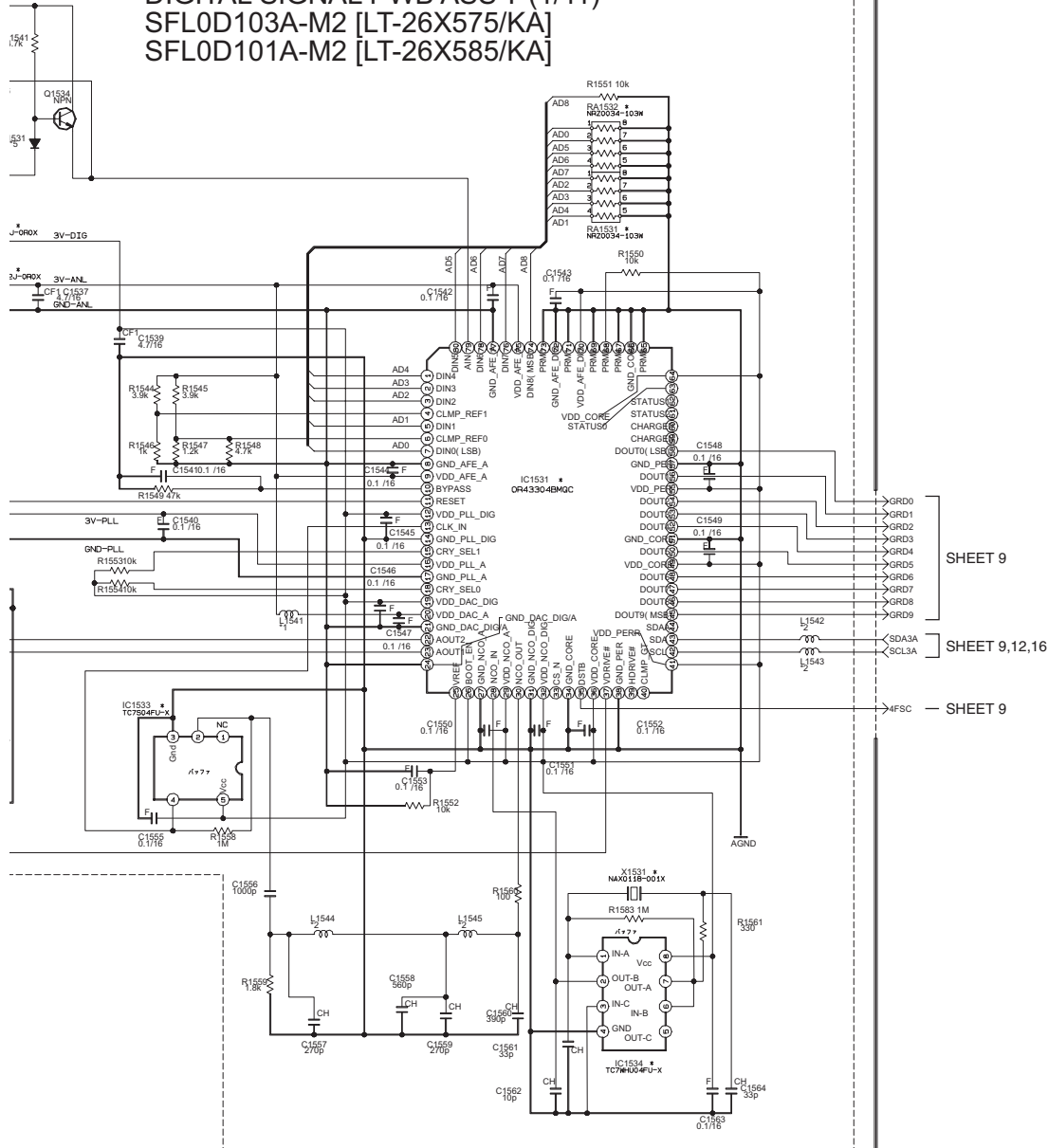
#1 DIFFERENCE LIST
(JPN MODEL/ etc)

NOTE	JPN	US	EU	ASIA, etc
Belling Country				
ASST No	BFL-00000A (etc)	BFL-00100A (etc)	BFL-00200A (etc)	BFL-00300A (etc)
	OLL000013 (etc)	OLL00013 (etc)	OLL00013 (etc)	OLL00013 (etc)
X1531	NA00113	OPEN	OPEN	OPEN
RA1531	NA00113	OPEN	OPEN	OPEN
RA1532	NA00113	OPEN	OPEN	OPEN
R1501	OPEN	OPEN	OPEN	OPEN
R1503	OPEN	OPEN	OPEN	OPEN
R1508	OPEN	OPEN	OPEN	OPEN
R1513	OPEN	OPEN	OPEN	OPEN
R1531	OPEN	OPEN	OPEN	OPEN
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R1577	OPEN	OPEN	OPEN	OPEN
R1578	OPEN	OPEN	OPEN	OPEN
R1583	OPEN	OPEN	OPEN	OPEN
Q1531	OPEN	OPEN	OPEN	OPEN
Q1532	OPEN	OPEN	OPEN	OPEN
Q1533	OPEN	OPEN	OPEN	OPEN
Q1534	OPEN	OPEN	OPEN	OPEN
Q1536	OPEN	OPEN	OPEN	OPEN
L1531	OPEN	OPEN	OPEN	OPEN
L1532	OPEN	OPEN	OPEN	OPEN
L1533	OPEN	OPEN	OPEN	OPEN
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L1564	OPEN	OPEN	OPEN	OPEN
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L1566	OPEN	OPEN	OPEN	OPEN
L1567	OPEN	OPEN	OPEN	OPEN
L1568	OPEN	OPEN	OPEN	OPEN
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L1570	OPEN	OPEN	OPEN	OPEN
L1571	OPEN	OPEN	OPEN	OPEN
L1572	OPEN	OPEN	OPEN	OPEN

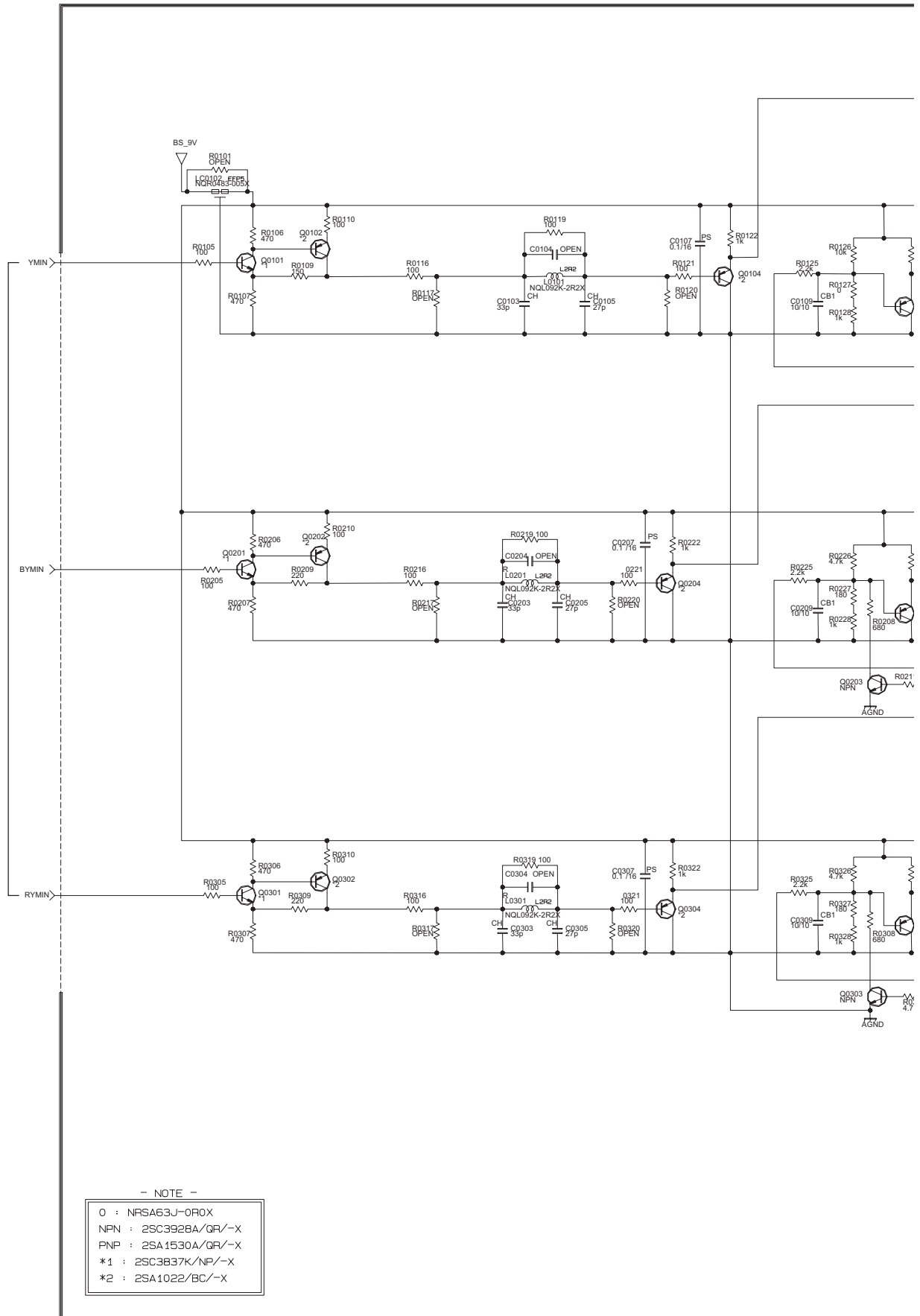
#1 DIFFERENCE AREA

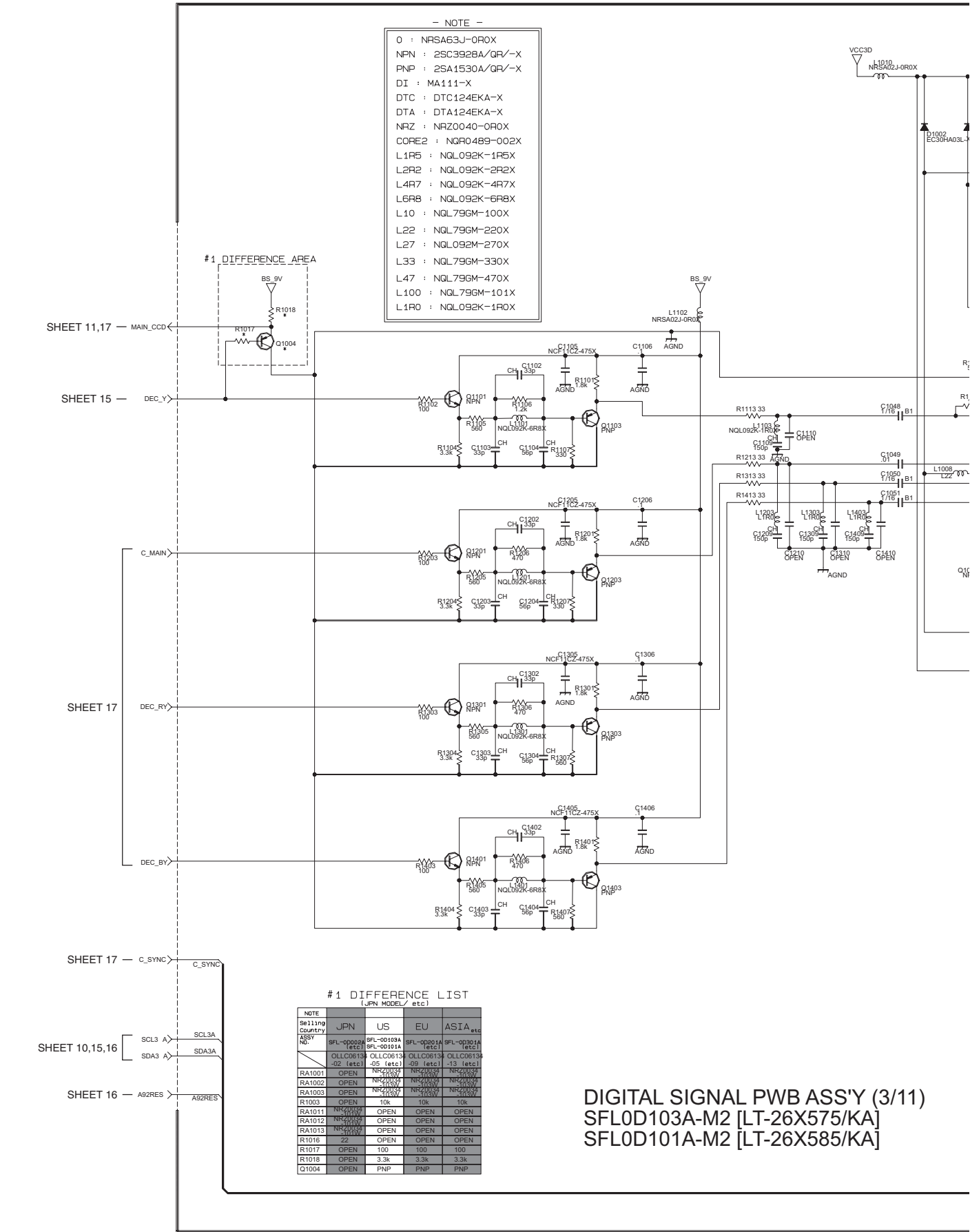
JPN MODEL: MOUNT
etc: NO MOUNT

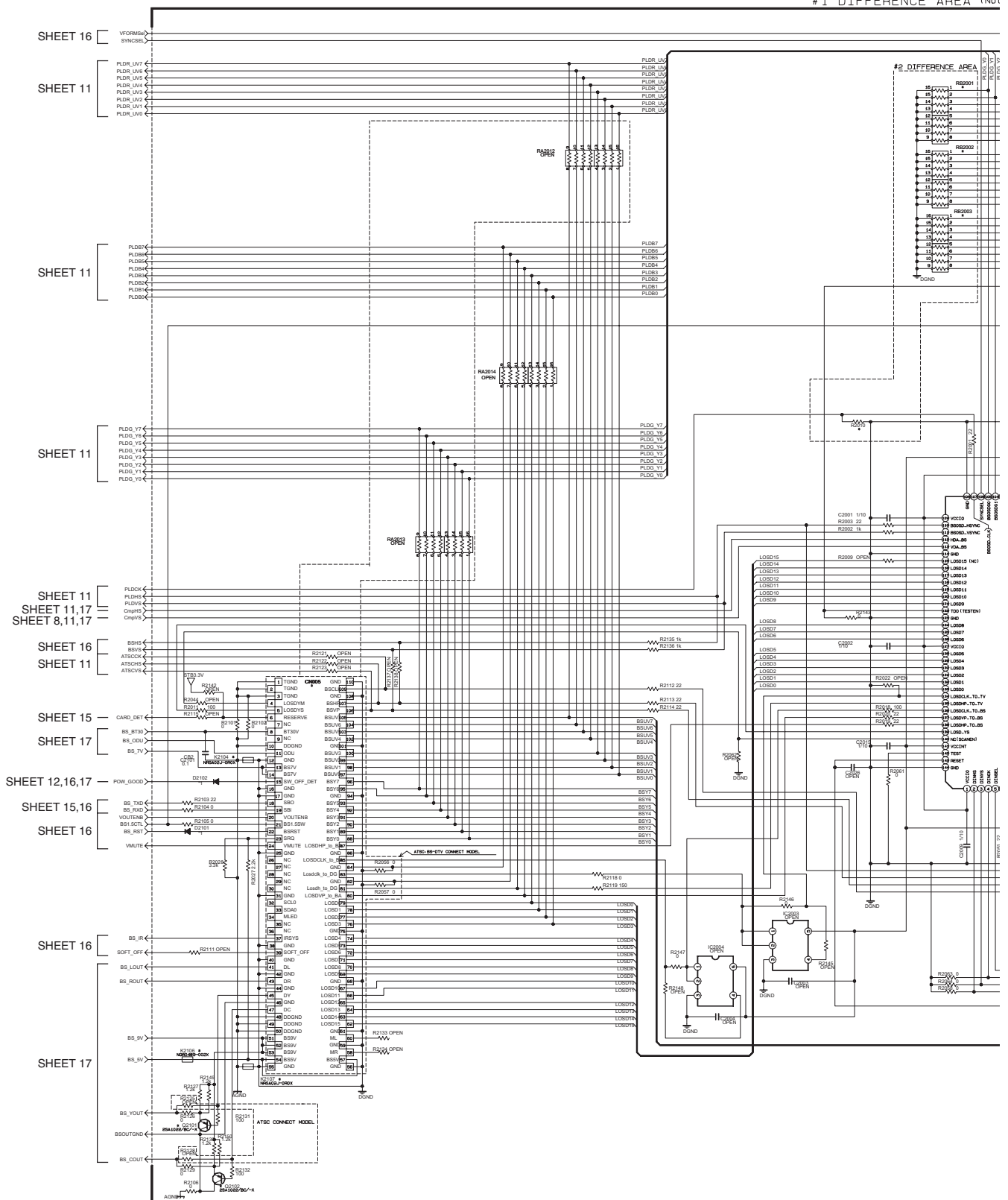
DIGITAL SIGNAL PWB ASS'Y (1/11)
SFL0D103A-M2 [LT-26X575/KA]
SFL0D101A-M2 [LT-26X585/KA]



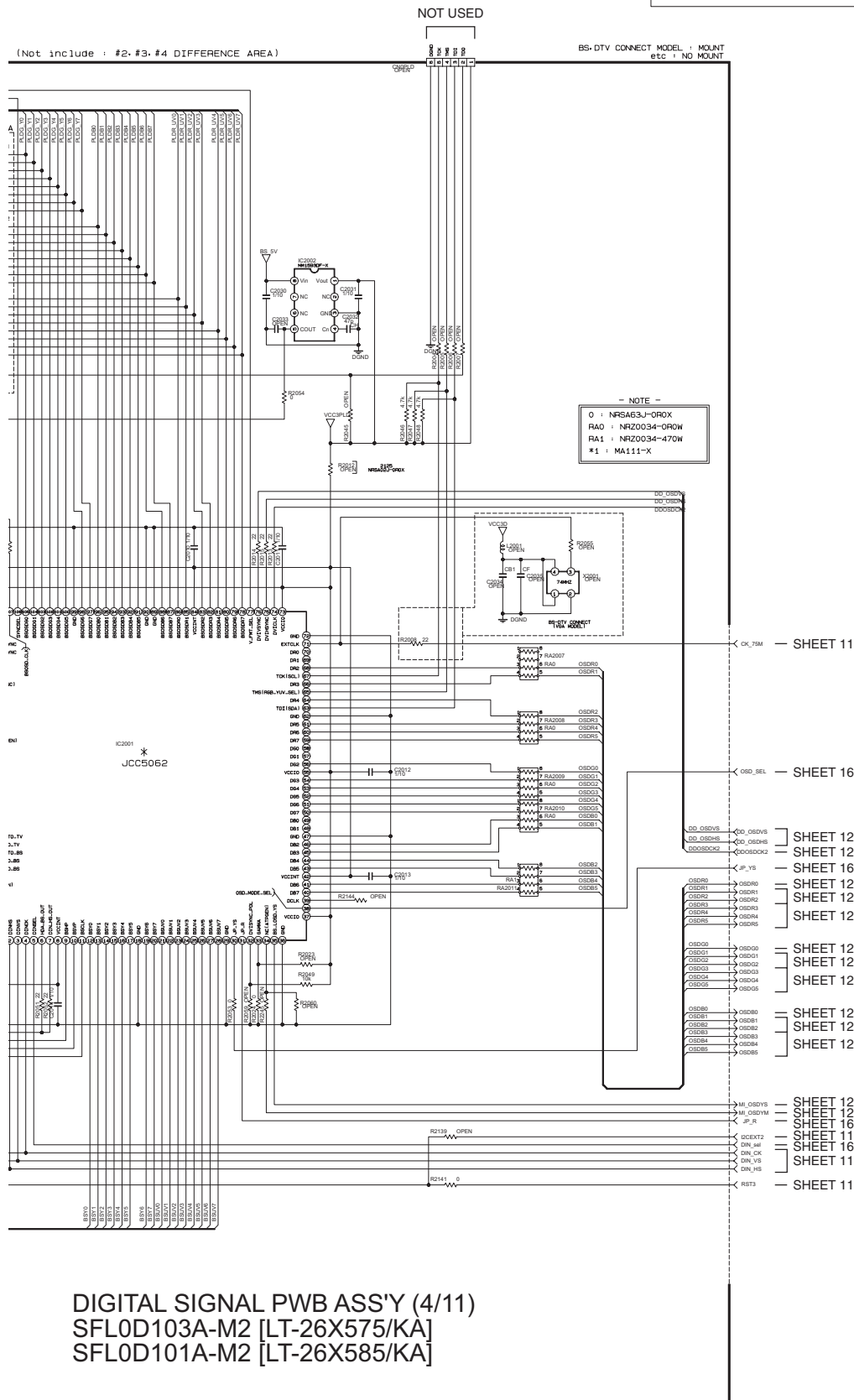
SHEET 17







All parts in this circuit diagram are not used.



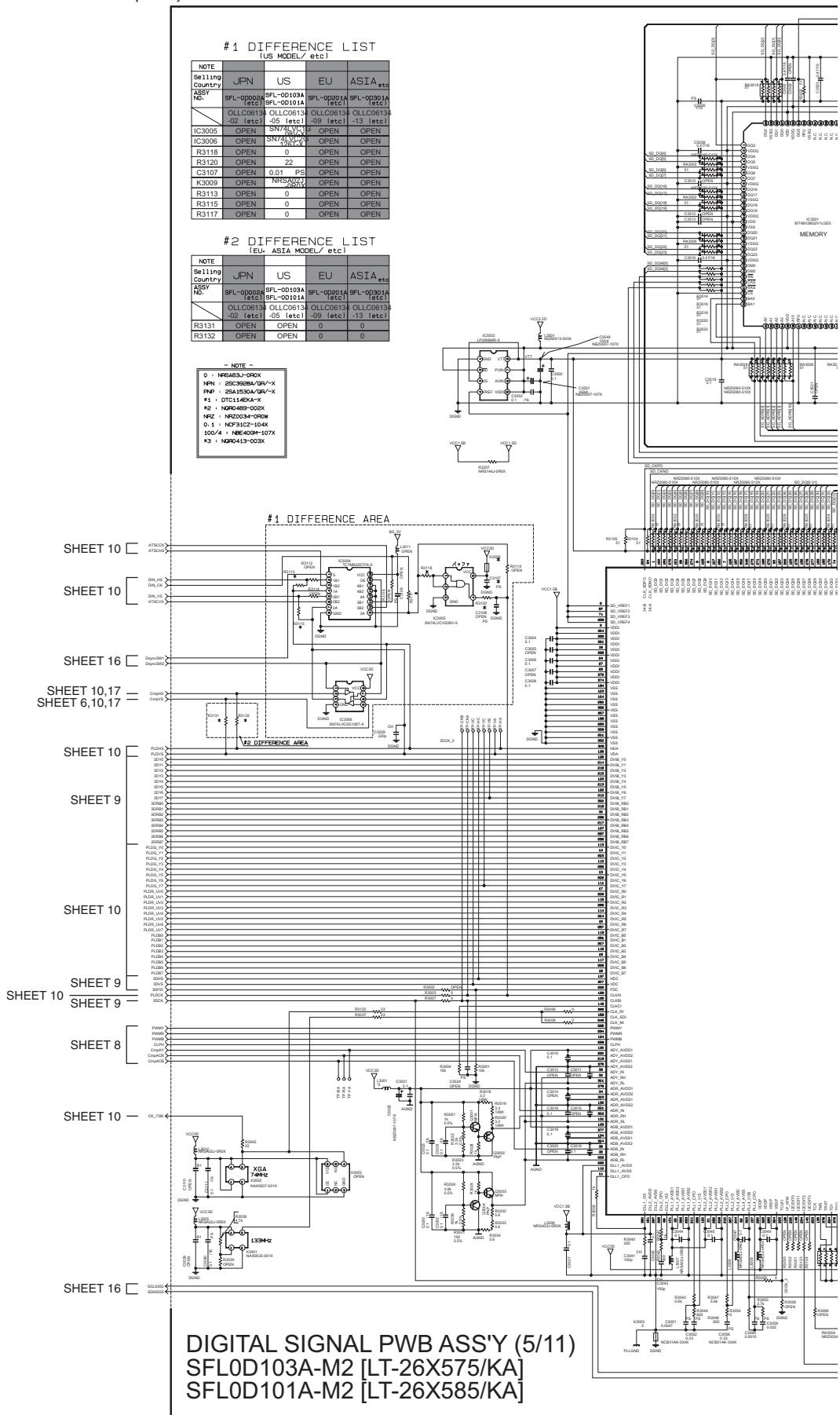
#The blank part of a difference list : Refer to circuit block.
#1 DIFFERENCE LIST
(BS.DTV CONNECT MODEL/ etc)

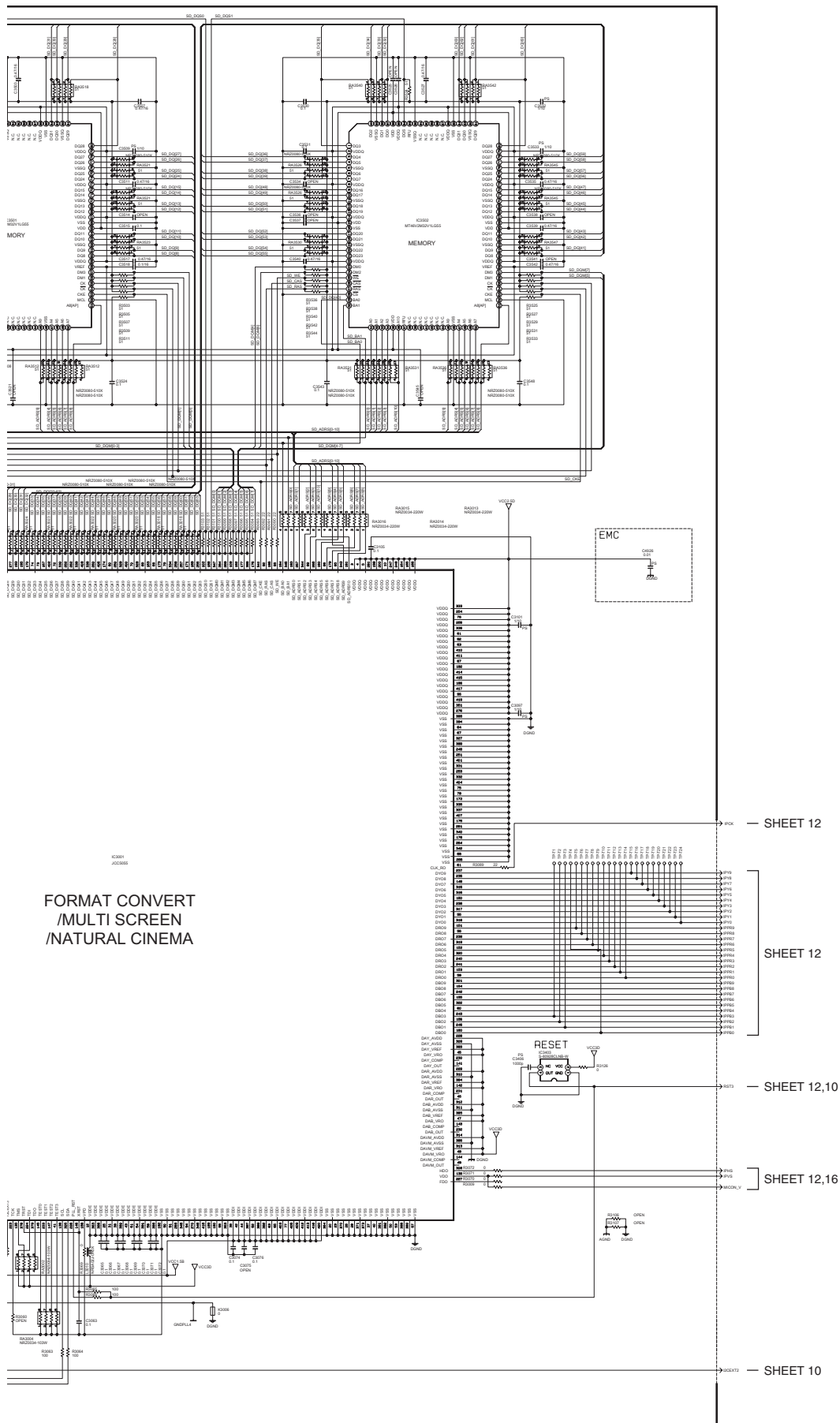
[illegible]

#2 DIFFERENCE LIST (JPN, US MODEL/ etc)				
NOTE	JPN	US	EU	ASIA _{ex}
Selling Country ASPL NO	SPL-000000 [00] [02] [etc]	SPL-001000 SPL-001010 [etc]	SPL-002010 [00] [09] [etc]	SPL-003010 [00] [13] [etc]
RB2001	OPEN	OPEN	NRK00000 [00] [00] [etc]	NRK00000 [00] [00] [etc]
RB2002	OPEN	OPEN	NRK00000 [00] [00] [etc]	NRK00000 [00] [00] [etc]
RB2003	OPEN	OPEN	NRK00000 [00] [00] [etc]	NRK00000 [00] [00] [etc]
R2010	OPEN	OPEN	0	0

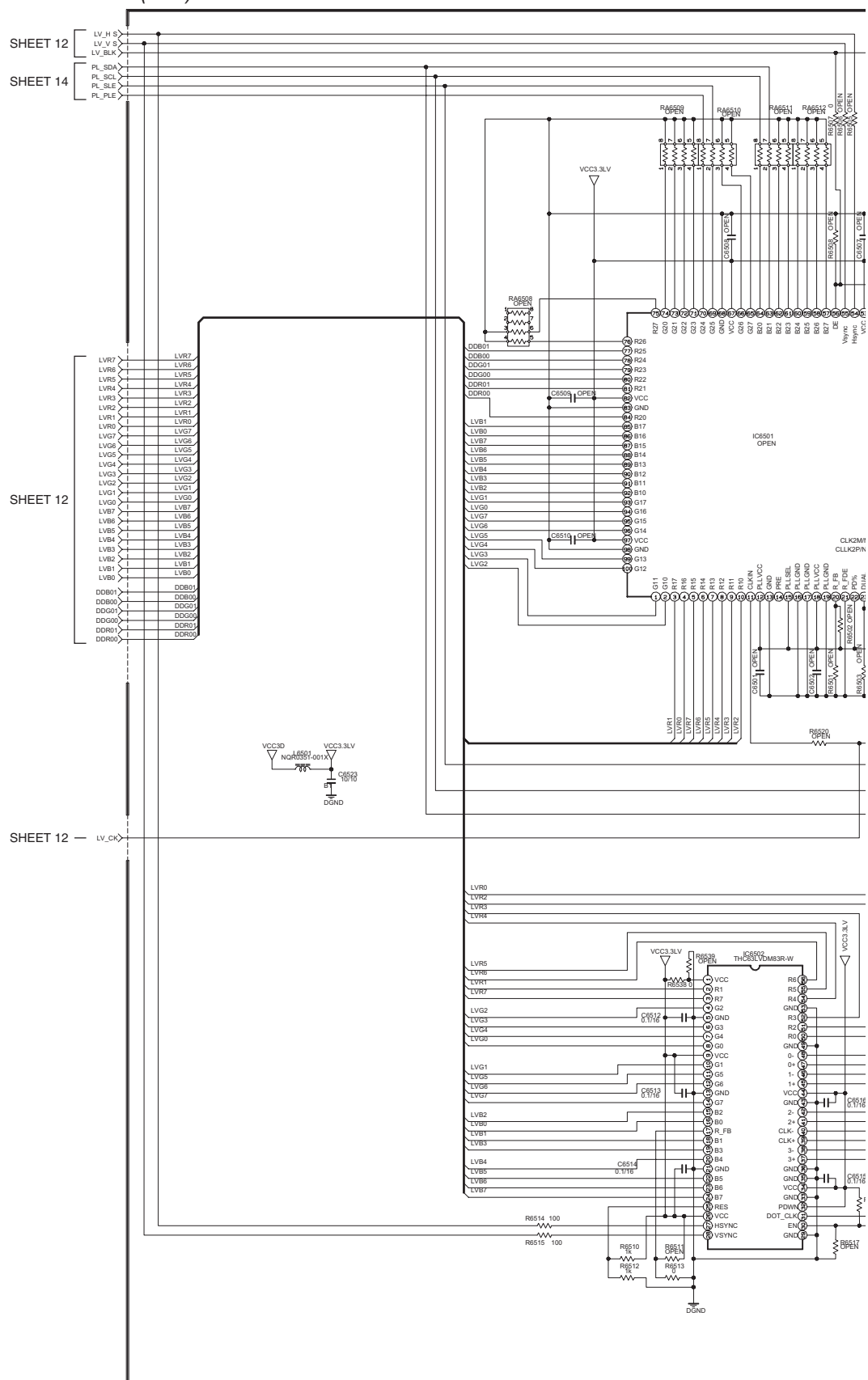
DIGITAL SIGNAL PWB ASS'Y (4/11)
SFL0D103A-M2 [LT-26X575/KA]
SFL0D101A-M2 [LT-26X585/KA]

c10265001a 9/12





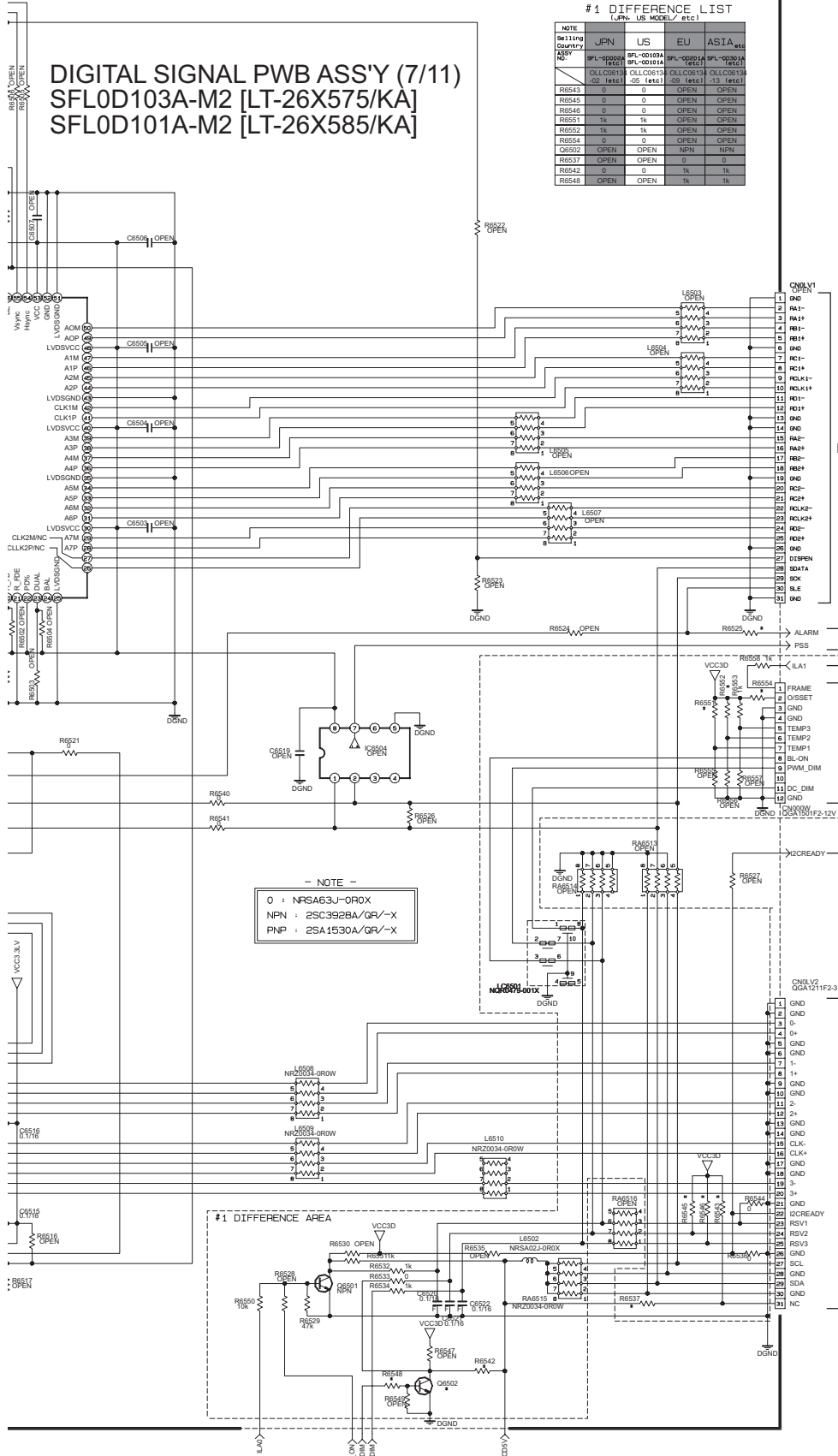




DIGITAL SIGNAL PWB ASS'Y (7/11) SFL0D103A-M2 [LT-26X575/KA] SFL0D101A-M2 [LT-26X585/KA]

#1 DIFFERENCE LIST (JPN, US MODEL, etc.)

NOTE	JPN	US	EU	ASIA
Re11199 Cout012 NPN	SFL-00000 [etc.]	SFL-00100A [etc.]	SFL-00201A [etc.]	SFL-00301A [etc.]
	OLLCC0013 [etc.]	OLLCC0013A [etc.]	OLLCC0013A [etc.]	OLLCC0013A [etc.]
R6543	0	0	OPEN	OPEN
R6545	0	0	OPEN	OPEN
R6546	0	0	OPEN	OPEN
R6551	1k	1k	OPEN	OPEN
R6552	1k	1k	OPEN	OPEN
R6554	0	0	OPEN	OPEN
Q6502	OPEN	OPEN	NPN	NPN
R6537	OPEN	OPEN	0	0
R6542	0	0	1k	1k
R6548	OPEN	OPEN	1k	1k



- NOTE -

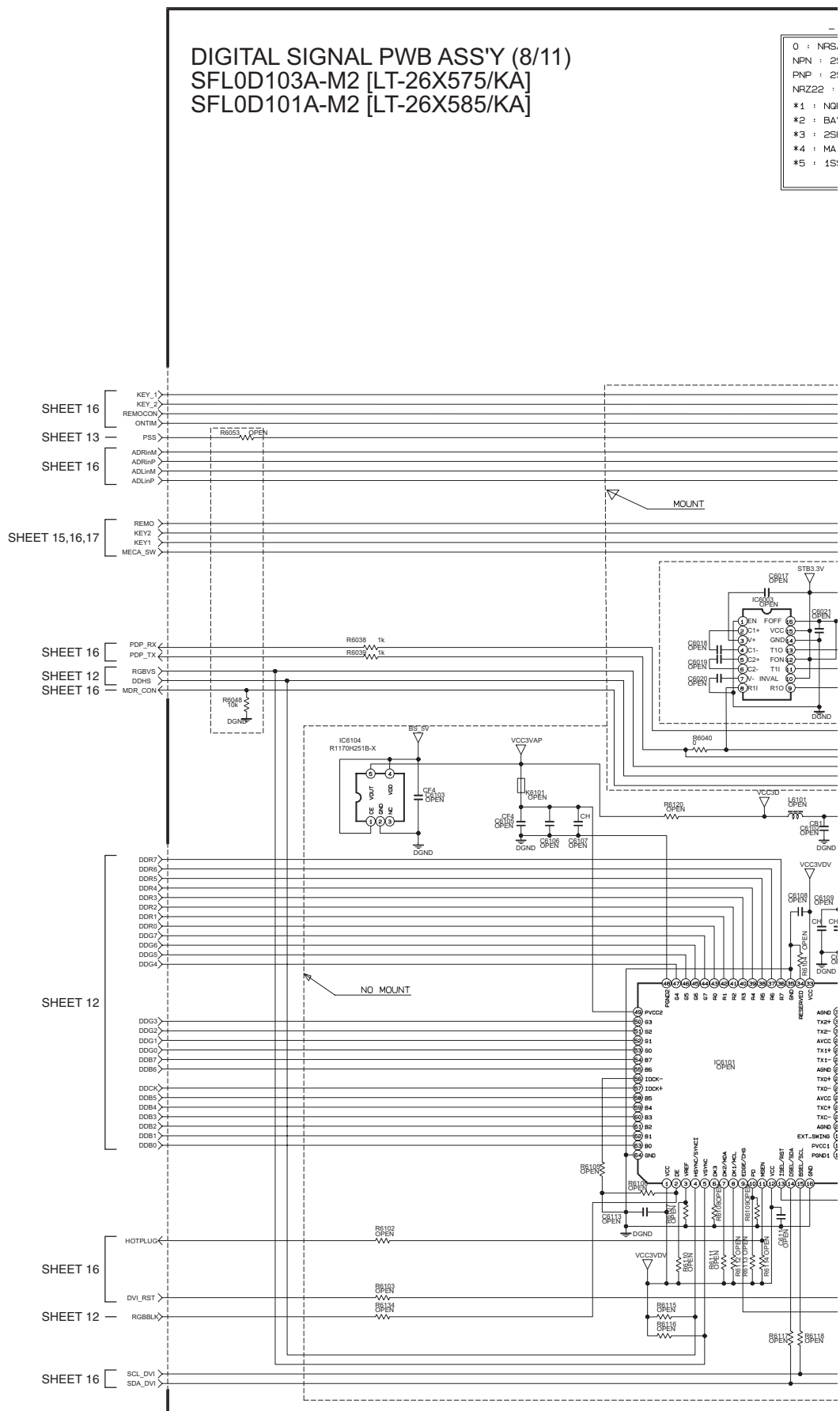
0 : NRS463J-GR0X
NPN : 2SC392BA/GR/-X
PNP : 2SA1530A/GR/-X

SHEET 14,16

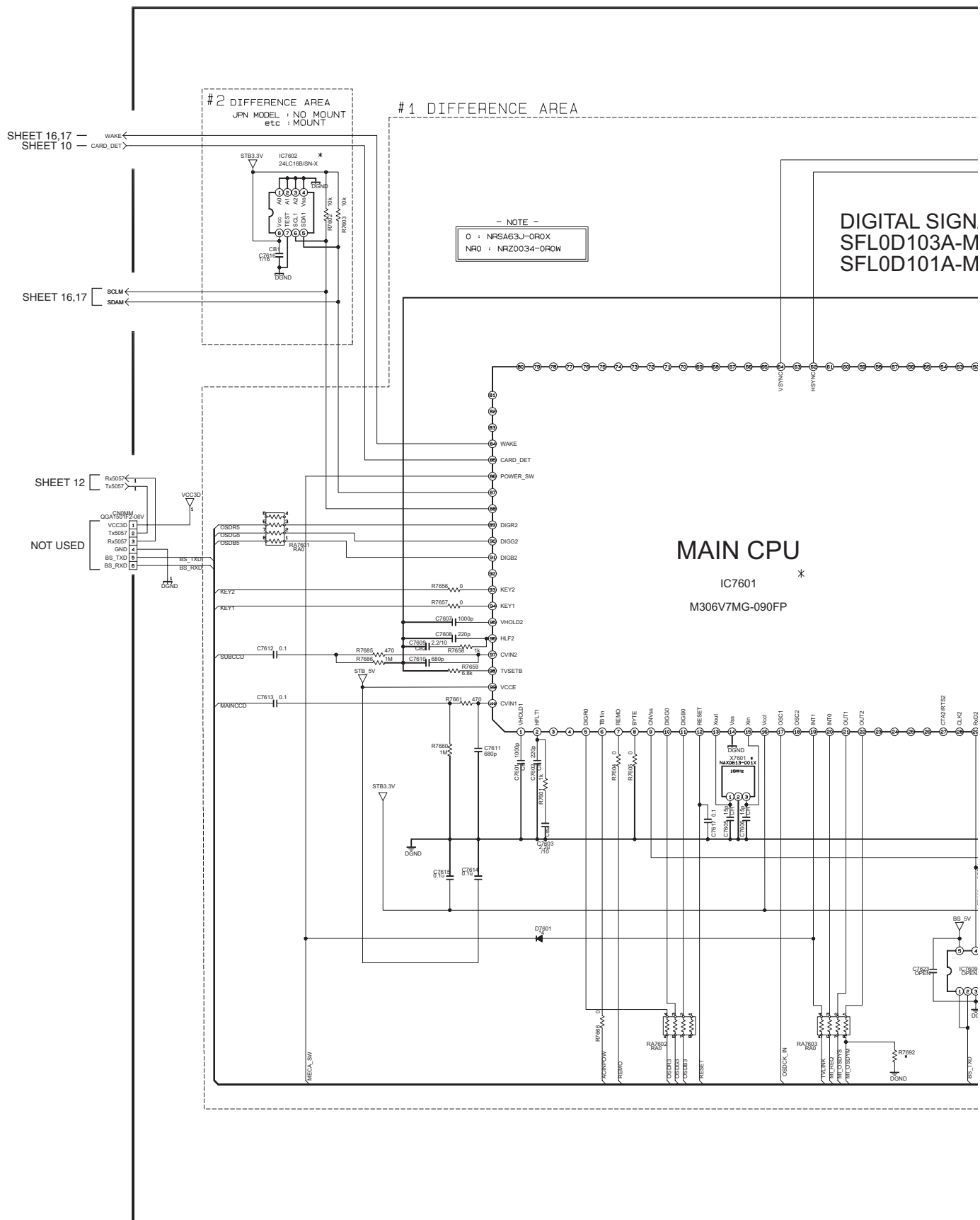
SHEET 12

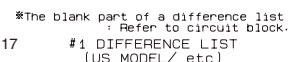
SHEET 17

c10265001a_7/12

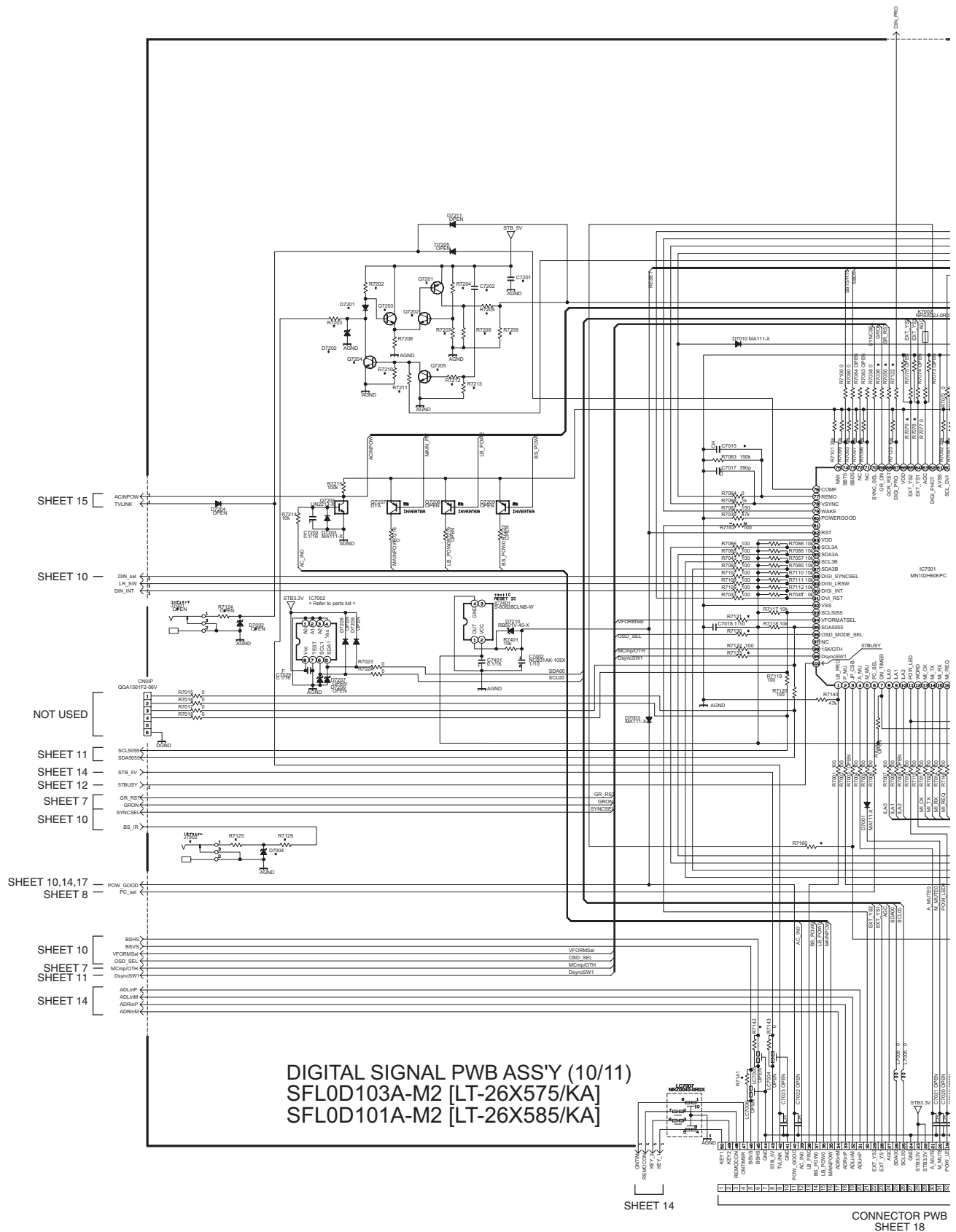


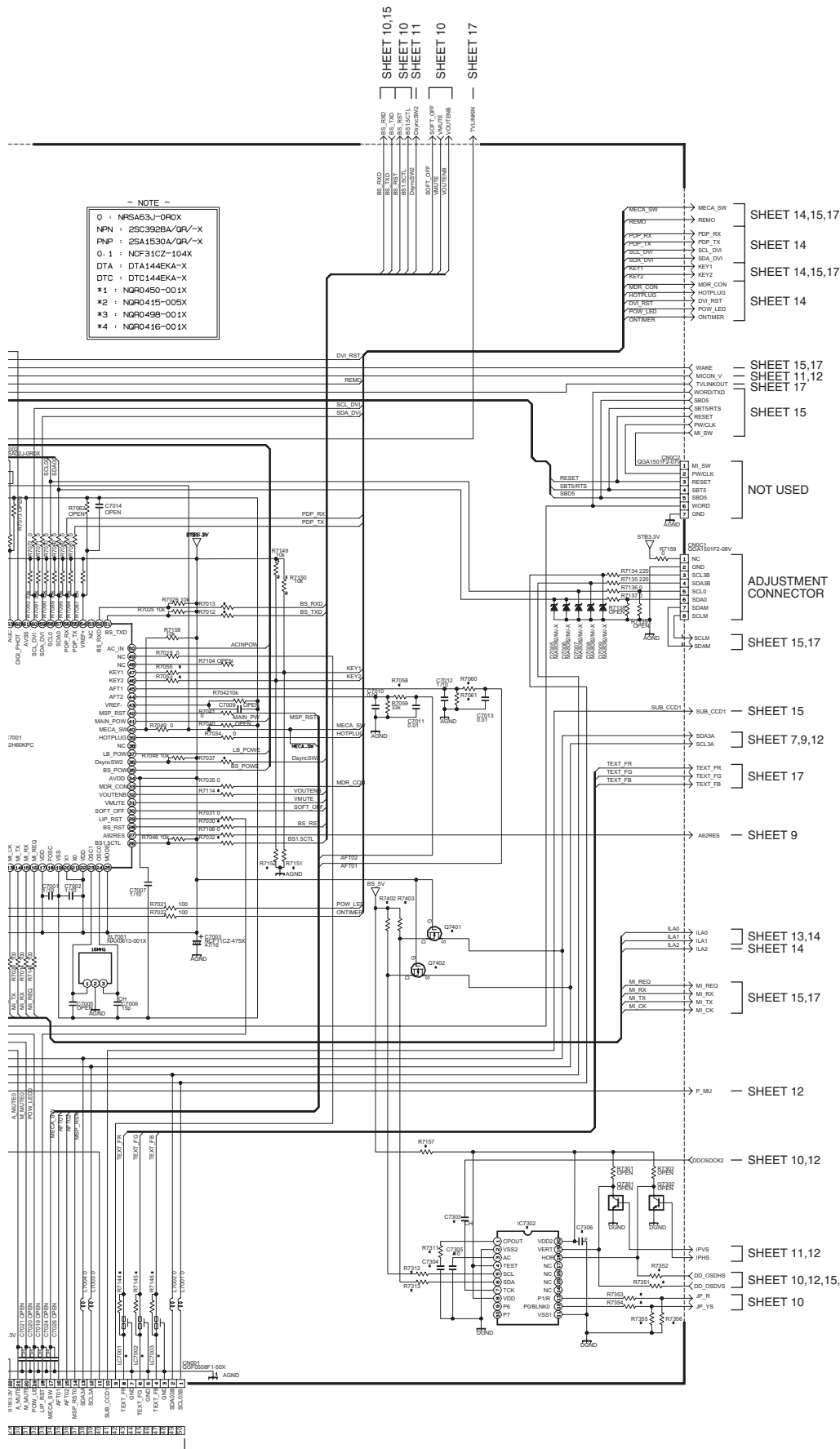




#2 DIFFERENCE LIST
(US MODEL/ EU-ASIA MODEL/ Etc)

(No.YA179)2-36



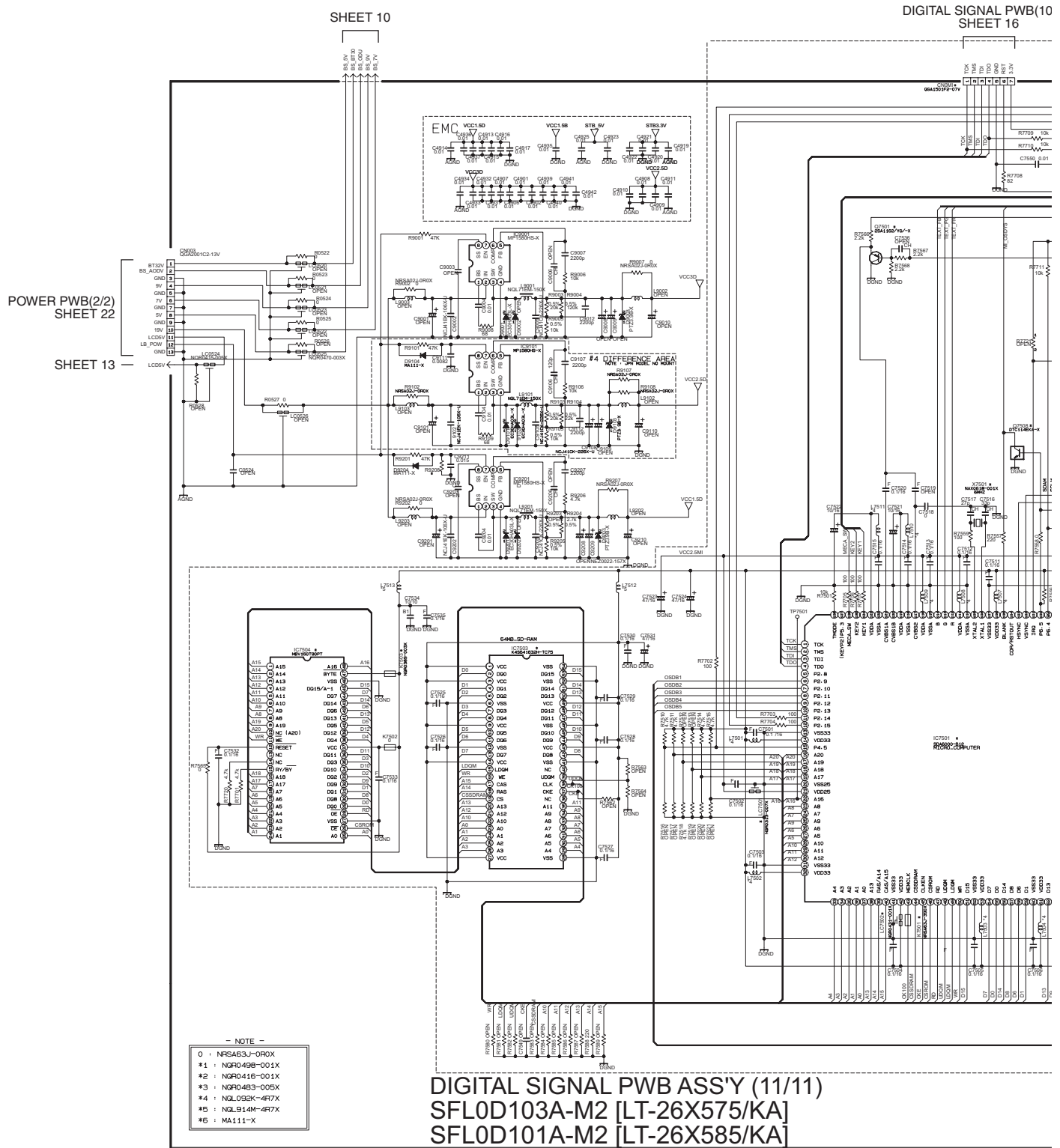


#1 DIFFERENCE LIST
(JPN MODEL / etc)

NOTE	JPN	US	EU	ASIA
Q7001	OPEN	OPEN	OPEN	OPEN
Q7002	OPEN	OPEN	OPEN	OPEN
Q7003	OPEN	OPEN	OPEN	OPEN
Q7004	OPEN	OPEN	OPEN	OPEN
Q7005	OPEN	OPEN	OPEN	OPEN
Q7006	OPEN	OPEN	OPEN	OPEN
Q7007	OPEN	OPEN	OPEN	OPEN
Q7008	OPEN	OPEN	OPEN	OPEN
Q7009	OPEN	OPEN	OPEN	OPEN
Q7010	OPEN	OPEN	OPEN	OPEN
Q7011	OPEN	OPEN	OPEN	OPEN
Q7012	OPEN	OPEN	OPEN	OPEN
Q7013	OPEN	OPEN	OPEN	OPEN
Q7014	OPEN	OPEN	OPEN	OPEN
Q7015	OPEN	OPEN	OPEN	OPEN
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Q7017	OPEN	OPEN	OPEN	OPEN
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Q7050	OPEN	OPEN	OPEN	OPEN
Q7051	OPEN	OPEN	OPEN	OPEN
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Q7054	OPEN	OPEN	OPEN	OPEN
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Q7069	OPEN	OPEN	OPEN	OPEN
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Q7071	OPEN	OPEN	OPEN	OPEN
Q7072	OPEN	OPEN	OPEN	OPEN
Q7073	OPEN	OPEN	OPEN	OPEN
Q7074	OPEN	OPEN	OPEN	OPEN
Q7075	OPEN	OPEN	OPEN	OPEN
Q7076	OPEN	OPEN	OPEN	OPEN
Q7077	OPEN	OPEN	OPEN	OPEN
Q7078	OPEN	OPEN	OPEN	OPEN
Q7079	OPEN	OPEN	OPEN	OPEN
Q7080	OPEN	OPEN	OPEN	OPEN
Q7081	OPEN	OPEN	OPEN	OPEN
Q7082	OPEN	OPEN	OPEN	OPEN
Q7083	OPEN	OPEN	OPEN	OPEN
Q7084	OPEN	OPEN	OPEN	OPEN
Q7085	OPEN	OPEN	OPEN	OPEN
Q7086	OPEN	OPEN	OPEN	OPEN
Q7087	OPEN	OPEN	OPEN	OPEN
Q7088	OPEN	OPEN	OPEN	OPEN
Q7089	OPEN	OPEN	OPEN	OPEN
Q7090	OPEN	OPEN	OPEN	OPEN
Q7091	OPEN	OPEN	OPEN	OPEN
Q7092	OPEN	OPEN	OPEN	OPEN
Q7093	OPEN	OPEN	OPEN	OPEN
Q7094	OPEN	OPEN	OPEN	OPEN
Q7095	OPEN	OPEN	OPEN	OPEN
Q7096	OPEN	OPEN	OPEN	OPEN
Q7097	OPEN	OPEN	OPEN	OPEN
Q7098	OPEN	OPEN	OPEN	OPEN
Q7099	OPEN	OPEN	OPEN	OPEN
Q7100	OPEN	OPEN	OPEN	OPEN

#2 DIFFERENCE LIST
(EU MODEL / etc)

NOTE	JPN	US	EU	ASIA
Shipping Country ID	EU	US	EU	ASIA
Q70000	OPEN	OPEN	OPEN	OPEN
Q70001	OPEN	OPEN	OPEN	OPEN
Q70002	OPEN	OPEN	OPEN	OPEN
Q70003	OPEN	OPEN	OPEN	OPEN
Q70004	OPEN	OPEN	OPEN	OPEN
Q70005	OPEN	OPEN	OPEN	OPEN
Q70006	OPEN	OPEN	OPEN	OPEN
Q70007	OPEN	OPEN	OPEN	OPEN
Q70008	OPEN	OPEN	OPEN	OPEN
Q70009	OPEN	OPEN	OPEN	OPEN
Q70010	OPEN	OPEN	OPEN	OPEN
Q70011	OPEN	OPEN	OPEN	OPEN
Q70012	OPEN	OPEN	OPEN	OPEN
Q70013	OPEN	OPEN	OPEN	OPEN
Q70014	OPEN	OPEN	OPEN	OPEN
Q70015	OPEN	OPEN	OPEN	OPEN
Q70016	OPEN	OPEN	OPEN	OPEN
Q70017	OPEN	OPEN	OPEN	OPEN
Q70018	OPEN	OPEN	OPEN	OPEN
Q70019	OPEN	OPEN	OPEN	OPEN
Q70020	OPEN	OPEN	OPEN	OPEN
Q70021	OPEN	OPEN	OPEN	OPEN
Q70022	OPEN	OPEN	OPEN	OPEN
Q70023	OPEN	OPEN	OPEN	OPEN
Q70024	OPEN	OPEN	OPEN	OPEN
Q70025	OPEN	OPEN	OPEN	OPEN
Q70026	OPEN	OPEN	OPEN	OPEN
Q70027	OPEN	OPEN	OPEN	OPEN
Q70028	OPEN	OPEN	OPEN	OPEN
Q70029	OPEN	OPEN	OPEN	OPEN
Q70030	OPEN	OPEN	OPEN	OPEN
Q70031	OPEN	OPEN	OPEN	OPEN
Q70032	OPEN	OPEN	OPEN	OPEN
Q70033	OPEN	OPEN	OPEN	OPEN
Q70034	OPEN	OPEN	OPEN	OPEN
Q70035	OPEN	OPEN	OPEN	OPEN
Q70036	OPEN	OPEN	OPEN	OPEN
Q70037	OPEN	OPEN	OPEN	OPEN
Q70038	OPEN	OPEN	OPEN	OPEN
Q70039	OPEN	OPEN	OPEN	OPEN
Q70040	OPEN	OPEN	OPEN	OPEN
Q70041	OPEN	OPEN	OPEN	OPEN
Q70042	OPEN	OPEN	OPEN	OPEN
Q70043	OPEN	OPEN	OPEN	OPEN
Q70044	OPEN	OPEN	OPEN	OPEN
Q70045	OPEN	OPEN	OPEN	OPEN
Q70046	OPEN	OPEN	OPEN	OPEN
Q70047	OPEN	OPEN	OPEN	OPEN
Q70048	OPEN	OPEN	OPEN	OPEN
Q70049	OPEN	OPEN	OPEN	OPEN
Q70050	OPEN	OPEN	OPEN	OPEN
Q70051	OPEN	OPEN	OPEN	OPEN
Q70052	OPEN	OPEN	OPEN	OPEN
Q70053	OPEN	OPEN	OPEN	OPEN
Q70054	OPEN	OPEN	OPEN	OPEN
Q70055	OPEN	OPEN	OPEN	OPEN
Q70056	OPEN	OPEN	OPEN	OPEN
Q70057	OPEN	OPEN	OPEN	OPEN
Q70058	OPEN	OPEN	OPEN	OPEN
Q70059	OPEN	OPEN	OPEN	OPEN
Q70060	OPEN	OPEN	OPEN	OPEN
Q70061	OPEN	OPEN	OPEN	OPEN
Q70062	OPEN	OPEN	OPEN	OPEN
Q70063	OPEN	OPEN	OPEN	OPEN
Q70064	OPEN	OPEN	OPEN	OPEN
Q70065	OPEN	OPEN	OPEN	OPEN
Q70066	OPEN	OPEN	OPEN	OPEN
Q70067	OPEN	OPEN	OPEN	OPEN
Q70068	OPEN	OPEN	OPEN	OPEN
Q70069	OPEN	OPEN	OPEN	OPEN
Q70070	OPEN	OPEN	OPEN	OPEN
Q70071	OPEN	OPEN	OPEN	OPEN
Q70072	OPEN	OPEN	OPEN	OPEN
Q70073	OPEN	OPEN	OPEN	OPEN
Q70074	OPEN	OPEN	OPEN	OPEN
Q70075	OPEN	OPEN	OPEN	OPEN
Q70076	OPEN	OPEN	OPEN	OPEN
Q70077	OPEN	OPEN	OPEN	OPEN
Q70078	OPEN	OPEN	OPEN	OPEN
Q70079	OPEN	OPEN	OPEN	OPEN
Q70080	OPEN	OPEN	OPEN	OPEN
Q70081	OPEN	OPEN	OPEN	OPEN
Q70082	OPEN	OPEN	OPEN	OPEN
Q70083	OPEN	OPEN	OPEN	OPEN
Q70084	OPEN	OPEN	OPEN	OPEN
Q70085	OPEN	OPEN	OPEN	OPEN
Q70086	OPEN	OPEN	OPEN	OPEN
Q70087	OPEN	OPEN	OPEN	OPEN
Q70088	OPEN	OPEN	OPEN	OPEN
Q70089	OPEN	OPEN	OPEN	OPEN
Q70090	OPEN	OPEN	OPEN	OPEN
Q70091	OPEN	OPEN	OPEN	OPEN
Q70092	OPEN	OPEN	OPEN	OPEN
Q70093	OPEN	OPEN	OPEN	OPEN
Q70094	OPEN	OPEN	OPEN	OPEN
Q70095	OPEN	OPEN	OPEN	OPEN
Q70096	OPEN	OPEN	OPEN	OPEN
Q70097	OPEN	OPEN	OPEN	OPEN
Q70098	OPEN	OPEN	OPEN	OPEN
Q70099	OPEN	OPEN	OPEN	OPEN
Q70100	OPEN	OPEN	OPEN	OPEN



NOTE	[US MODEL/ etc]			
Selling Country	JPN	US	EU	ASIA
1257 no.	SPL-00001A (etc)	SPL-00100A SPL-00101A	SPL-00201A (etc)	SPL-00301A (etc)
	00L00613 -02 (etc)	00L00613 -05 (etc)	00L00613 -09 (etc)	00L00613 -13 (etc)

NOTE	(JPN MODEL etc)			
981119# Country	JPN	US	EU	ASIA
ASST NO.	SFL-02000A 1	SFL-02100A SFL-02101A	SFL-02001A	SFL-02001A
	OLL00913 -02 (etc)	OLL00913 -05 (etc)	OLL00913 -09 (etc)	OLL00913 -13 (etc)
LC0510	*1	OPEN	OPEN	OPEN
LC0511	*1	OPEN	OPEN	OPEN
LC0512	*1	OPEN	OPEN	OPEN
LC0513	*1	OPEN	OPEN	OPEN
R0512	0	OPEN	OPEN	OPEN

NOT USED

*The blank part of a difference list : Refer to circuit block.

[illegible]

*The blank part of a difference list : Refer to circuit block.

DATE	LJPN MODEL (etc)			
Bel1996 Country	JPN	US	EU	ASIA
NO	LP-0000A (E1)	LP-0000A (E1)	LP-0000A (E1)	LP-0000A (E1)
	ALLC01A	ALLC01A	ALLC01A	ALLC01A
	ALLC01A	ALLC01A	ALLC01A	ALLC01A
C2002	OPEN	OPEN	OPEN	OPEN
C2004	OPEN	OPEN	OPEN	OPEN
C2006	OPEN	OPEN	OPEN	OPEN
C2008	OPEN	OPEN	OPEN	OPEN
C2010	OPEN	OPEN	OPEN	OPEN
C2012	OPEN	OPEN	OPEN	OPEN
C2014	OPEN	OPEN	OPEN	OPEN
C2016	OPEN	OPEN	OPEN	OPEN
C2018	OPEN	OPEN	OPEN	OPEN
C2020	OPEN	OPEN	OPEN	OPEN
C2022	OPEN	OPEN	OPEN	OPEN
C2024	OPEN	OPEN	OPEN	OPEN
C2026	OPEN	OPEN	OPEN	OPEN
C2028	OPEN	OPEN	OPEN	OPEN
C2030	OPEN	OPEN	OPEN	OPEN
C2032	OPEN	OPEN	OPEN	OPEN
C2034	OPEN	OPEN	OPEN	OPEN
C2036	OPEN	OPEN	OPEN	OPEN
C2038	OPEN	OPEN	OPEN	OPEN
C2040	OPEN	OPEN	OPEN	OPEN
C2042	OPEN	OPEN	OPEN	OPEN
C2044	OPEN	OPEN	OPEN	OPEN
C2046	OPEN	OPEN	OPEN	OPEN
C2048	OPEN	OPEN	OPEN	OPEN
C2050	OPEN	OPEN	OPEN	OPEN
C2052	OPEN	OPEN	OPEN	OPEN
C2054	OPEN	OPEN	OPEN	OPEN
C2056	OPEN	OPEN	OPEN	OPEN
C2058	OPEN	OPEN	OPEN	OPEN
C2060	OPEN	OPEN	OPEN	OPEN
C2062	OPEN	OPEN	OPEN	OPEN
C2064	OPEN	OPEN	OPEN	OPEN
C2066	OPEN	OPEN	OPEN	OPEN
C2068	OPEN	OPEN	OPEN	OPEN
C2070	OPEN	OPEN	OPEN	OPEN
C2072	OPEN	OPEN	OPEN	OPEN
C2074	OPEN	OPEN	OPEN	OPEN
C2076	OPEN	OPEN	OPEN	OPEN
C2078	OPEN	OPEN	OPEN	OPEN
C2080	OPEN	OPEN	OPEN	OPEN
C2082	OPEN	OPEN	OPEN	OPEN
C2084	OPEN	OPEN	OPEN	OPEN
C2086	OPEN	OPEN	OPEN	OPEN
C2088	OPEN	OPEN	OPEN	OPEN
C2090	OPEN	OPEN	OPEN	OPEN
C2092	OPEN	OPEN	OPEN	OPEN
C2094	OPEN	OPEN	OPEN	OPEN
C2096	OPEN	OPEN	OPEN	OPEN
C2098	OPEN	OPEN	OPEN	OPEN
C2100	OPEN	OPEN	OPEN	OPEN
C2102	OPEN	OPEN	OPEN	OPEN
C2104	OPEN	OPEN	OPEN	OPEN
C2106	OPEN	OPEN	OPEN	OPEN
C2108	OPEN	OPEN	OPEN	OPEN
C2110	OPEN	OPEN	OPEN	OPEN
C2112	OPEN	OPEN	OPEN	OPEN
C2114	OPEN	OPEN	OPEN	OPEN
C2116	OPEN	OPEN	OPEN	OPEN
C2118	OPEN	OPEN	OPEN	OPEN
C2120	OPEN	OPEN	OPEN	OPEN
C2122	OPEN	OPEN	OPEN	OPEN
C2124	OPEN	OPEN	OPEN	OPEN
C2126	OPEN	OPEN	OPEN	OPEN
C2128	OPEN	OPEN	OPEN	OPEN
C2130	OPEN	OPEN	OPEN	OPEN
C2132	OPEN	OPEN	OPEN	OPEN
C2134	OPEN	OPEN	OPEN	OPEN
C2136	OPEN	OPEN	OPEN	OPEN
C2138	OPEN	OPEN	OPEN	OPEN
C2140	OPEN	OPEN	OPEN	OPEN
C2142	OPEN	OPEN	OPEN	OPEN
C2144	OPEN	OPEN	OPEN	OPEN
C2146	OPEN	OPEN	OPEN	OPEN
C2148	OPEN	OPEN	OPEN	OPEN
C2150	OPEN	OPEN	OPEN	OPEN
C2152	OPEN	OPEN	OPEN	OPEN
C2154	OPEN	OPEN	OPEN	OPEN
C2156	OPEN	OPEN	OPEN	OPEN
C2158	OPEN	OPEN	OPEN	OPEN
C2160	OPEN	OPEN	OPEN	OPEN
C2162	OPEN	OPEN	OPEN	OPEN
C2164	OPEN	OPEN	OPEN	OPEN
C2166	OPEN	OPEN	OPEN	OPEN
C2168	OPEN	OPEN	OPEN	OPEN
C2170	OPEN	OPEN	OPEN	OPEN
C2172	OPEN	OPEN	OPEN	OPEN
C2174	OPEN	OPEN	OPEN	OPEN
C2176	OPEN	OPEN	OPEN	OPEN
C2178	OPEN	OPEN	OPEN	OPEN
C2180	OPEN	OPEN	OPEN	OPEN
C2182	OPEN	OPEN	OPEN	OPEN
C2184	OPEN	OPEN	OPEN	OPEN
C2186	OPEN	OPEN	OPEN	OPEN
C2188	OPEN	OPEN	OPEN	OPEN
C2190	OPEN	OPEN	OPEN	OPEN
C2192	OPEN	OPEN	OPEN	OPEN
C2194	OPEN	OPEN	OPEN	OPEN
C2196	OPEN	OPEN		

SHEET 8

SHEET 9

SHEET 10

SHEET 7

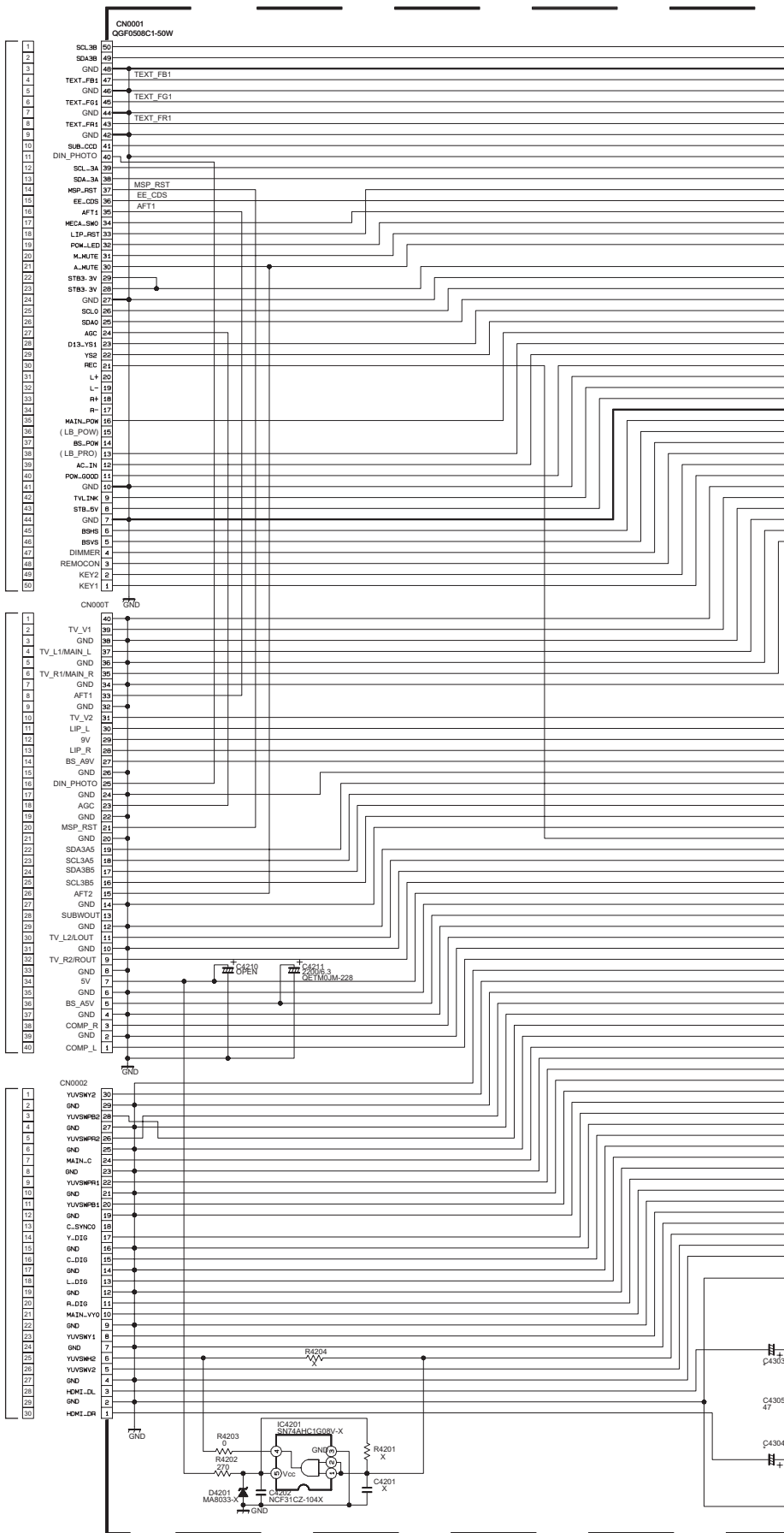
c10265001a 12/12

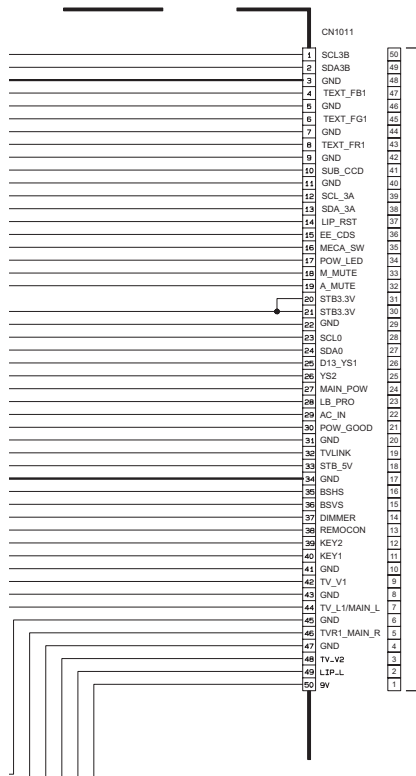
CONNECTOR PWB CIRCUIT DIAGRAM SHEET 18

DIGITAL SIGNAL PWB(10/11)
SHEET 16

RECEIVER PWB
SHEET 1

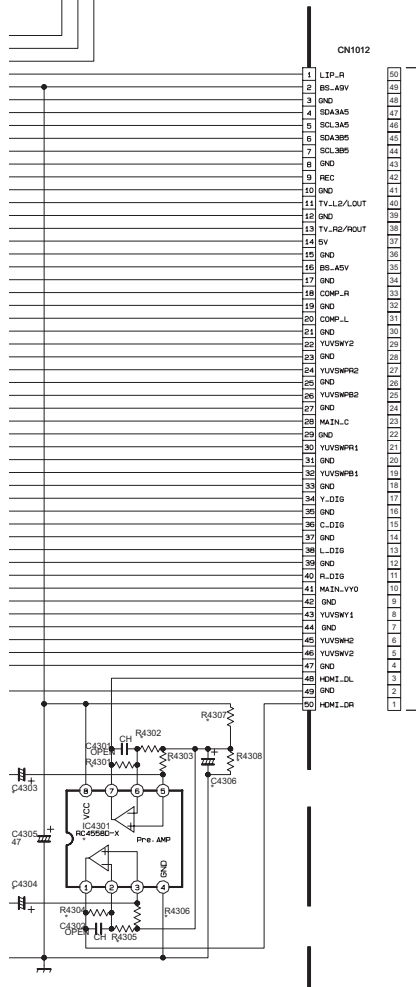
DIGITAL SIGNAL PWB(11/11)
SHEET 17





CONNECTOR PWB ASS'Y SFL-4011A-M2

ANALOG SIGNAL PWB(2/5)
SHEET 3

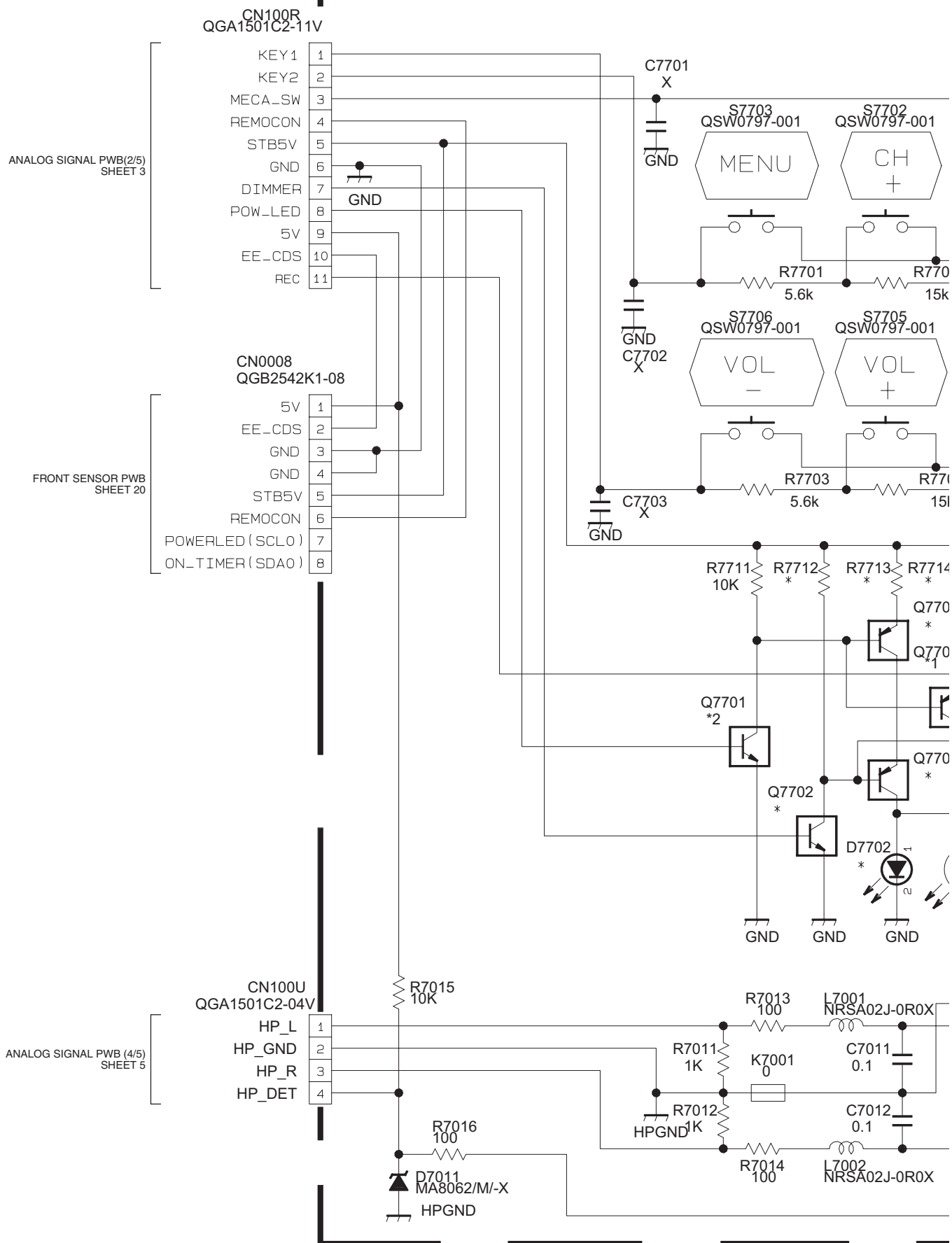


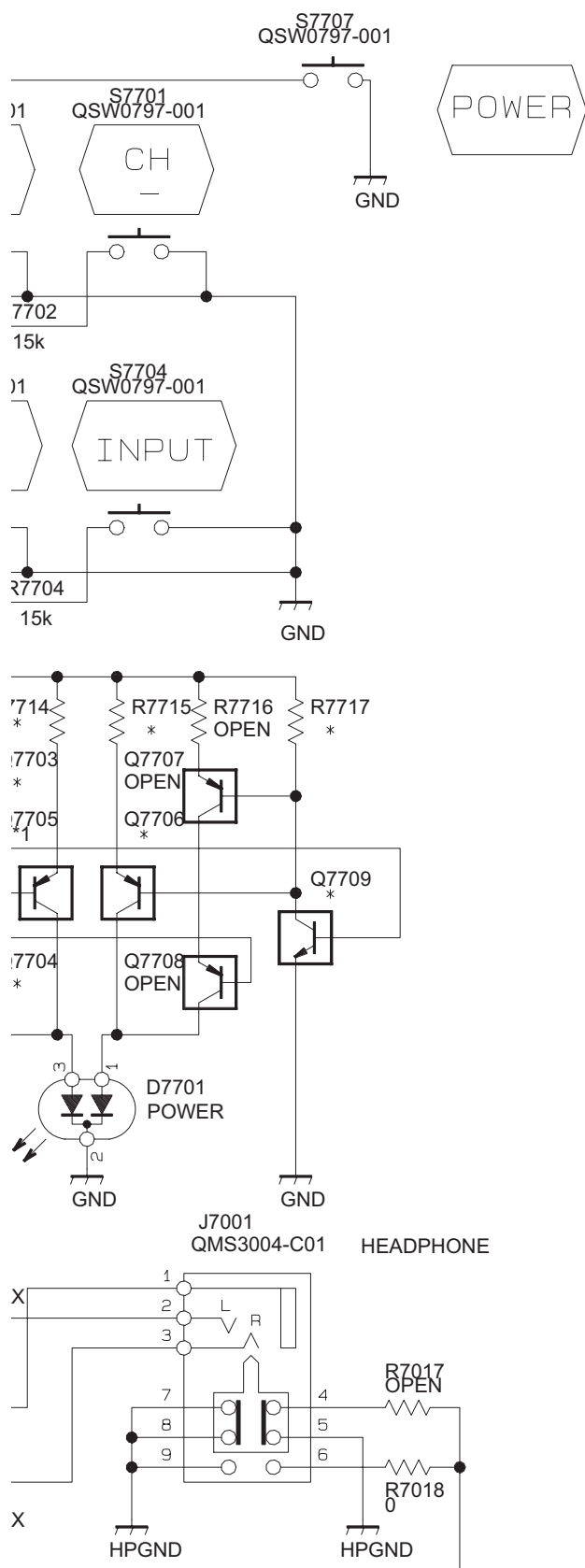
ANALOG SIGNAL PWB(2/5)
SHEET 3

ASS'Y No.	LC490353 ~01*	LC490353 ~11*
	SFL-4002A	SFL-4011A
	OLL06135	OLL06377
IC4301	OPEN	RC4558D-X
R4301	OPEN	4.7K
R4302	OPEN	6.8K
R4303	OPEN	100K
R4304	OPEN	4.7K
R4305	OPEN	6.8K
R4306	OPEN	100K
R4307	OPEN	10K
R4308	OPEN	10K
C4303	OPEN	10/16
C4304	OPEN	10/16
C4305	OPEN	47/16
C4306	OPEN	47/16

c10257001a_1/1

FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 19

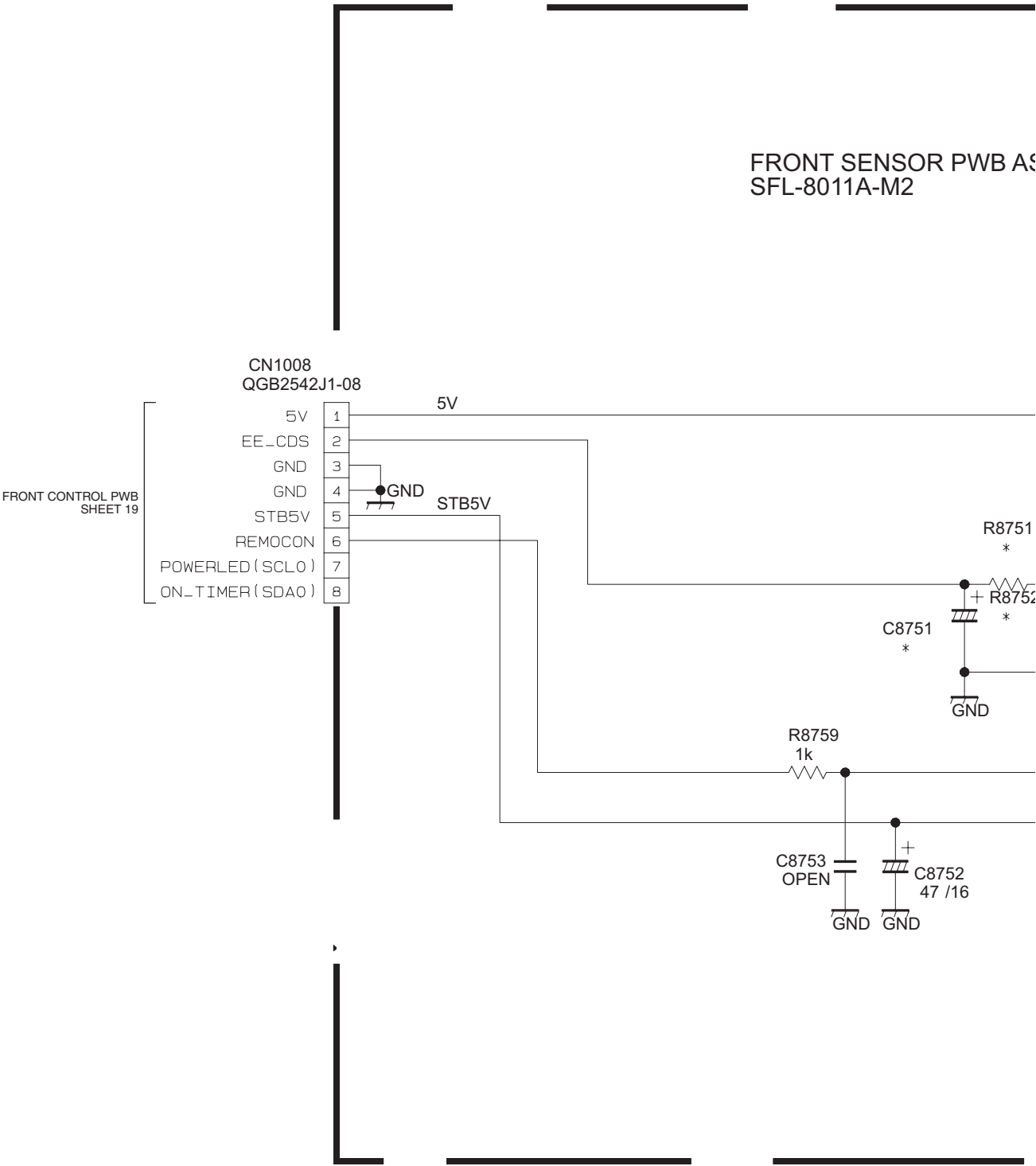




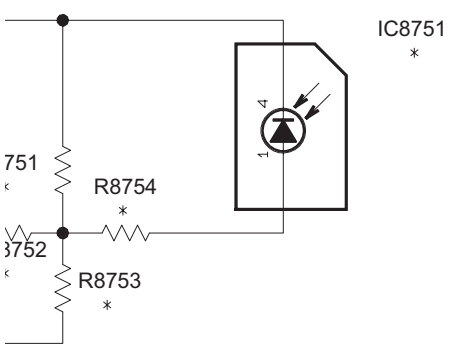
FRONT CONTROL PWB ASS'Y SFL-7011A-M2

ASS' Y No.	LCA90351 -01*	LCA90351 -11*
	SFL-7002A	SFL-7011A
	OLLC06137	OLLC06375
D7701	SML1216W	OPEN
D7702	OPEN	HLMPS30 J00-T16
Q7702	OPEN	UN2212-X
Q7703	OPEN	UN2110-X
Q7704	OPEN	UN2110-X
Q7706	UN2110-X	OPEN
Q7709	UN2212-X	OPEN
R7712	OPEN	10K
R7713	OPEN	330
R7714	1.5K	2.2K
R7715	1.5K	OPEN
R7717	10K	OPEN

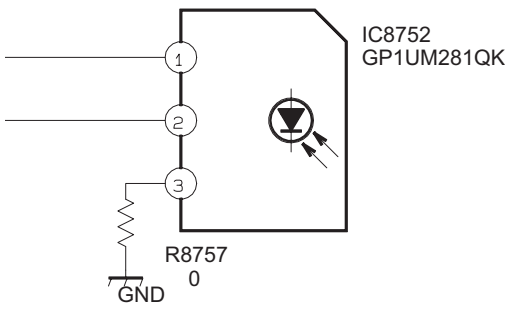
c30124001a_1/1



ASS'Y

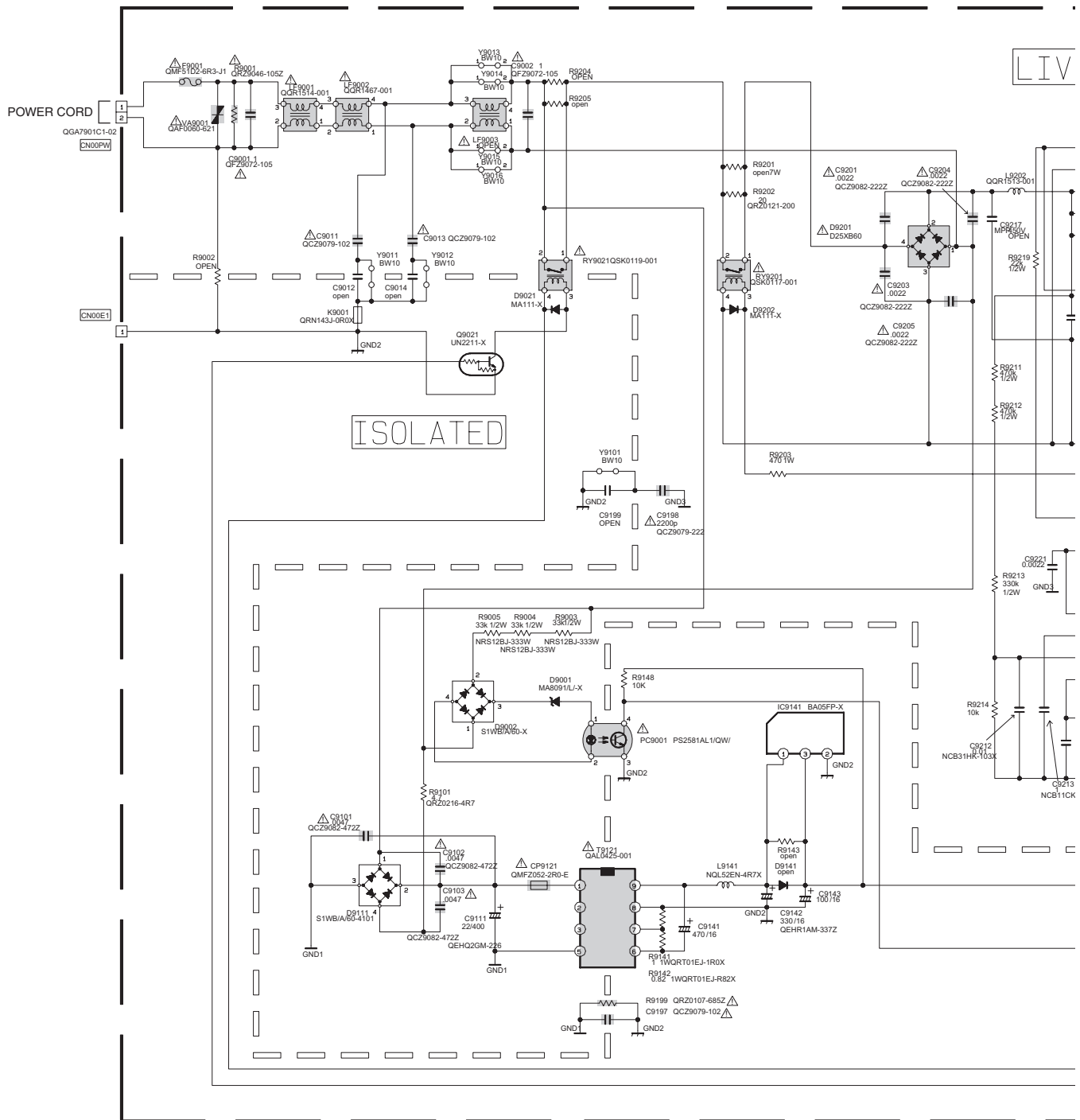


IR DETECT



ASS' Y No.	LCA90352 -01*	LCA90352 -11*
	SFL-8002A	SFL-8011A
	OLLC06139	OLLC06377
IC8751	S9066-11	OPEN
R8751	270K	OPEN
R8752	100	OPEN
R8753	68K	OPEN
R8754	33K	OPEN
C8751	22/6.3	OPEN

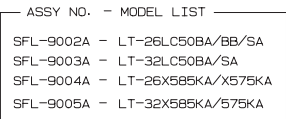
POWER PWB CIRCUIT DIAGRAM (1/2) SHEET 21



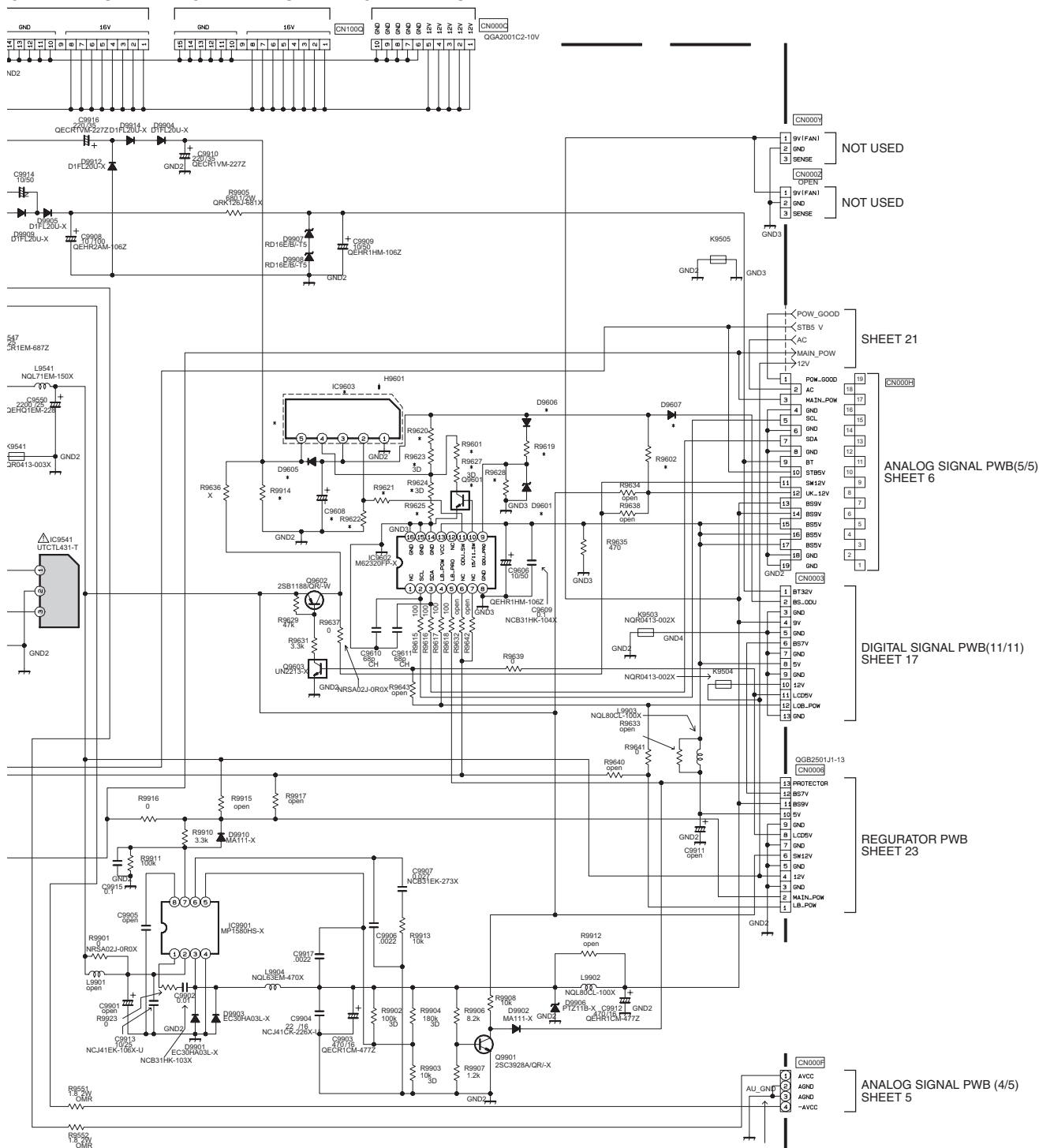
SHEET 22

POWER PWB ASS'Y (1/2)
SFL-9004A-M2

c10258001a_1/2

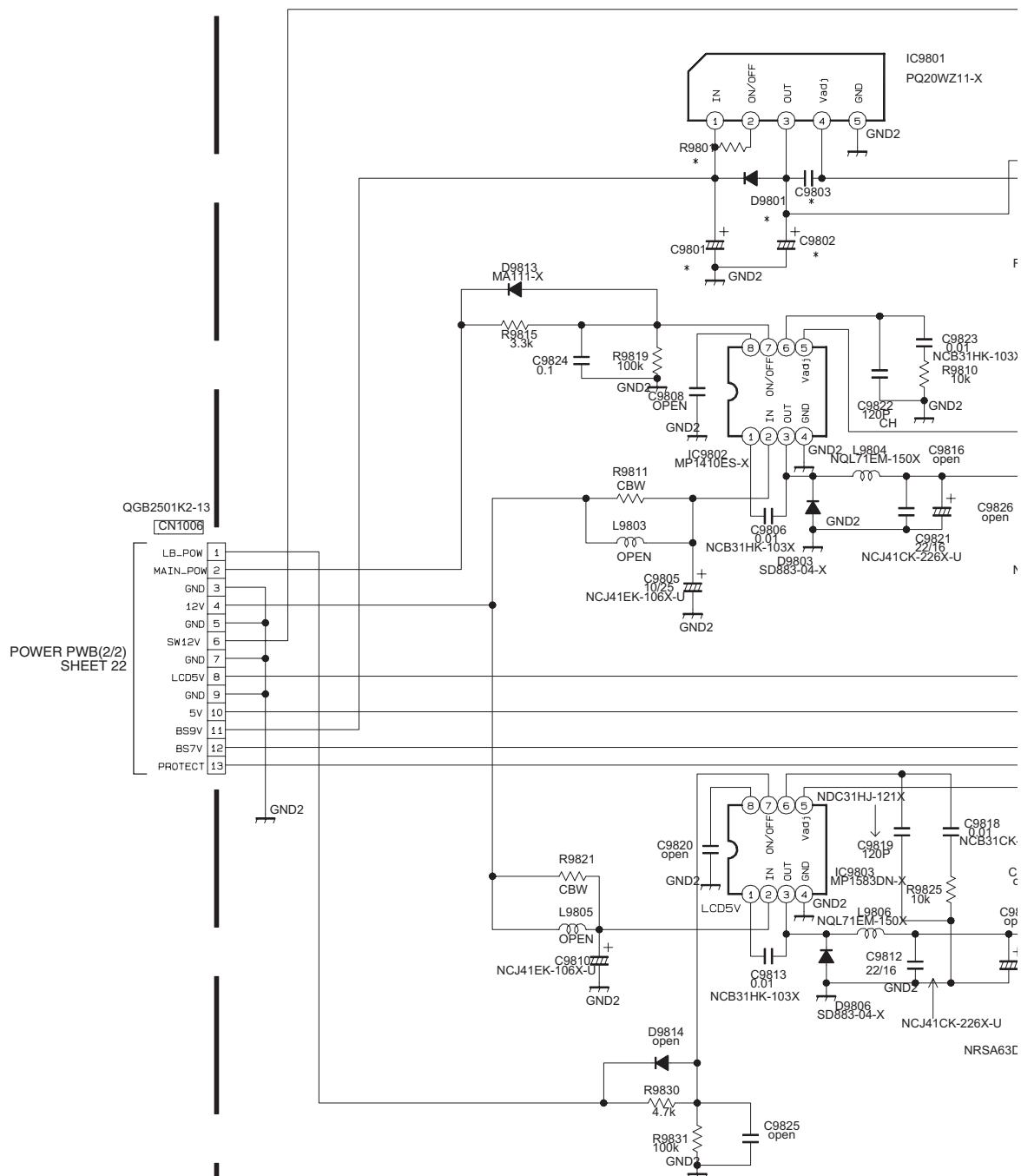


CD PANEL UNIT LCD PANEL UNIT LCD PANEL UNIT

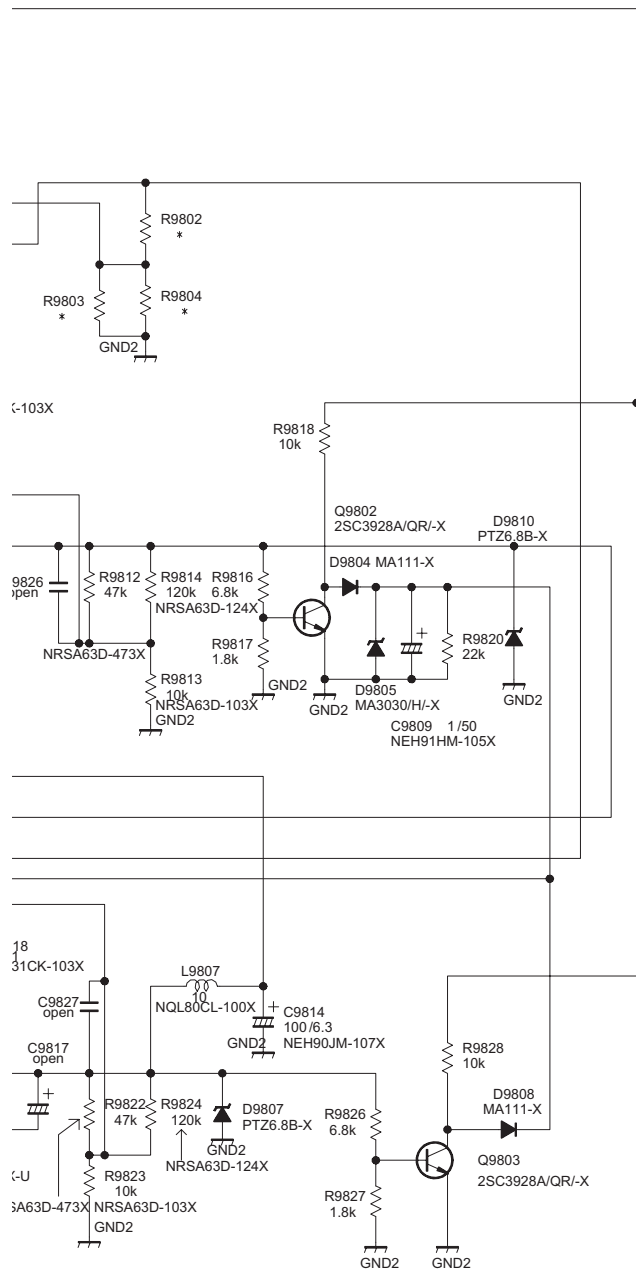


T
US
SFL-9004A
open
open
open
open
open

c10258001a_2/2

REGURATOR PWB ASS
SFL-9104A-M2

SS'Y



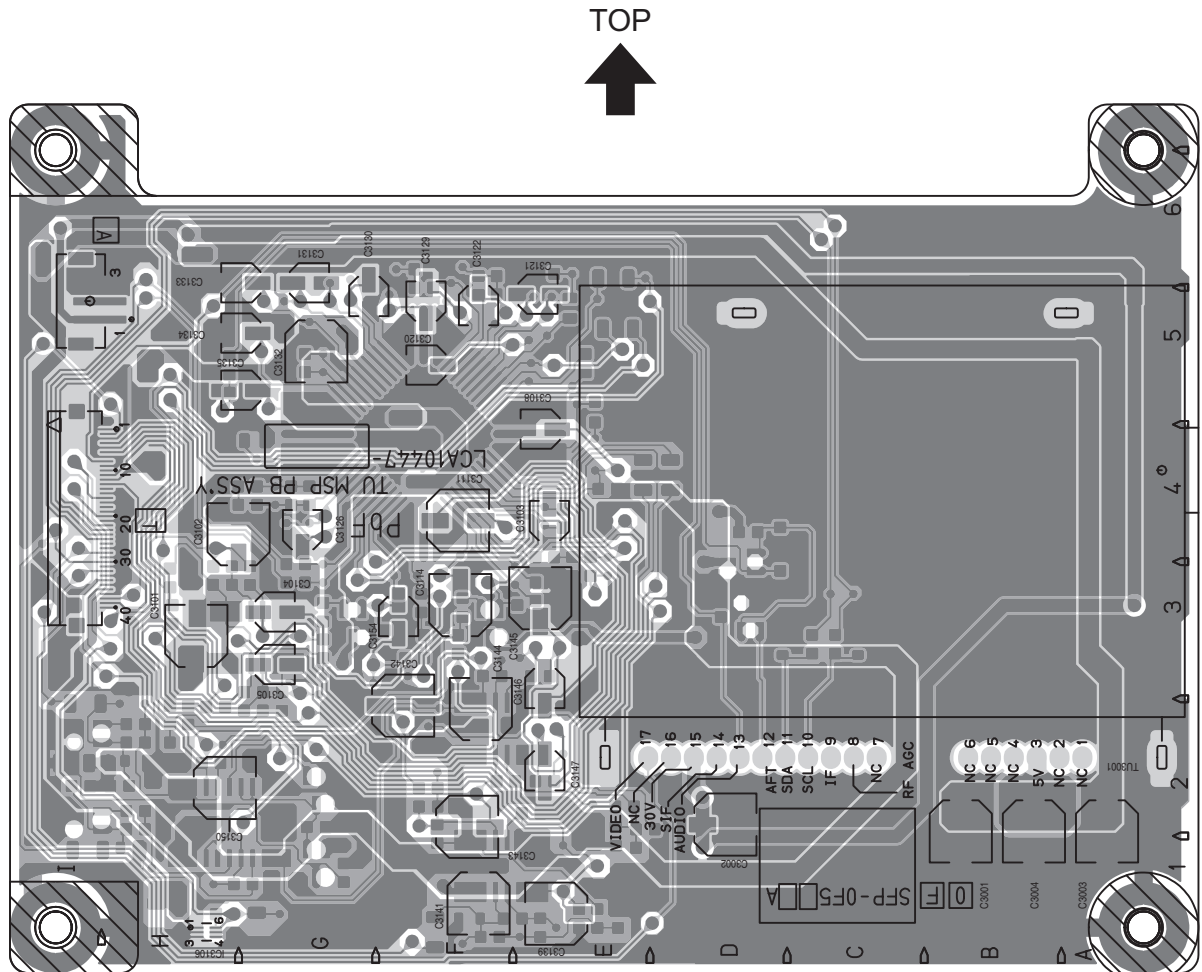
DIFFERENCE LIST

NOTE	JPN	US
	SFL-9102A etc	SFL-9104A etc
IC9801	PQ20WZ11-X	open
D9801	D1FS4-X	open
R9801	10k	open
R9802	NRSA63D-472X	open
R9803	NRSA63J-183X	open
R9804	NRSA63D-332X	open
C9801	NEH91CM-476X	open
C9802	NEH91CM-476X	open
C9803	NCB31HK-104X	open

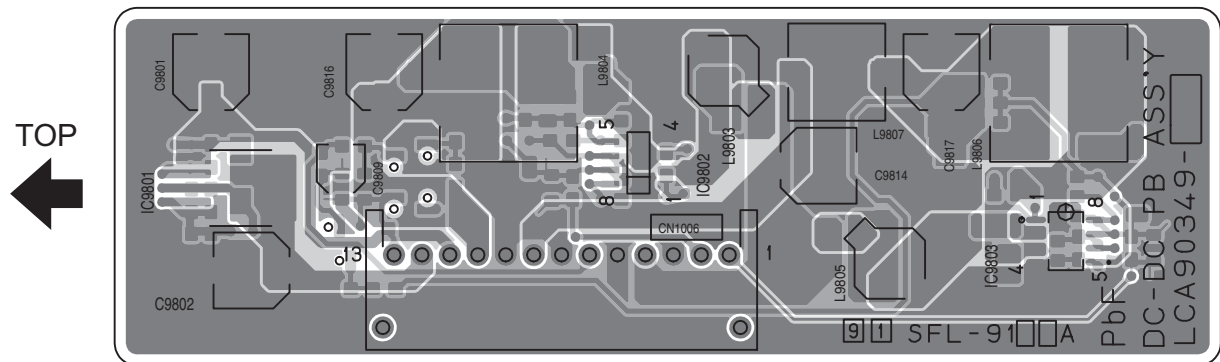
RECEIVER PWB PATTERN [SOLDER SIDE]

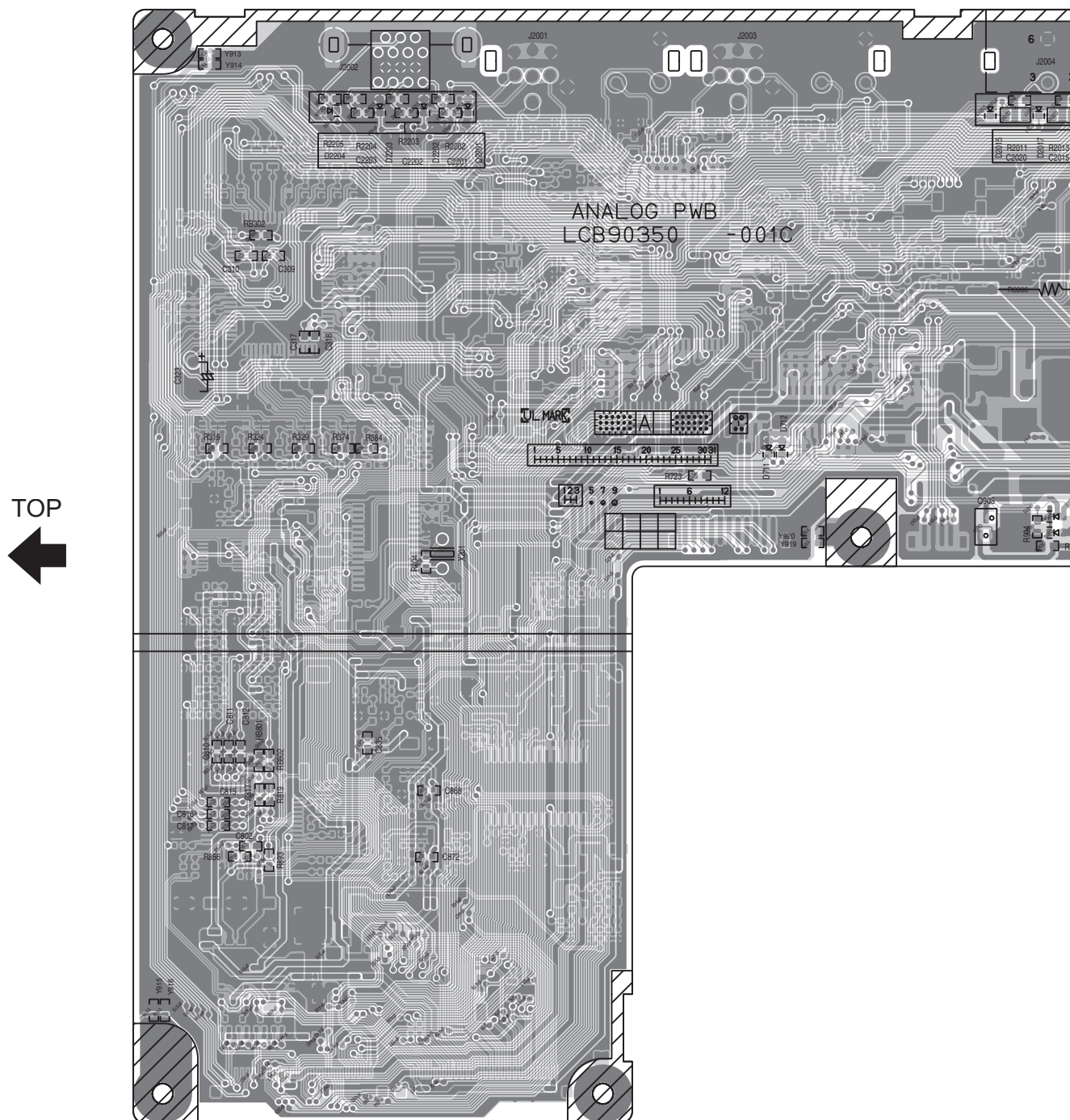


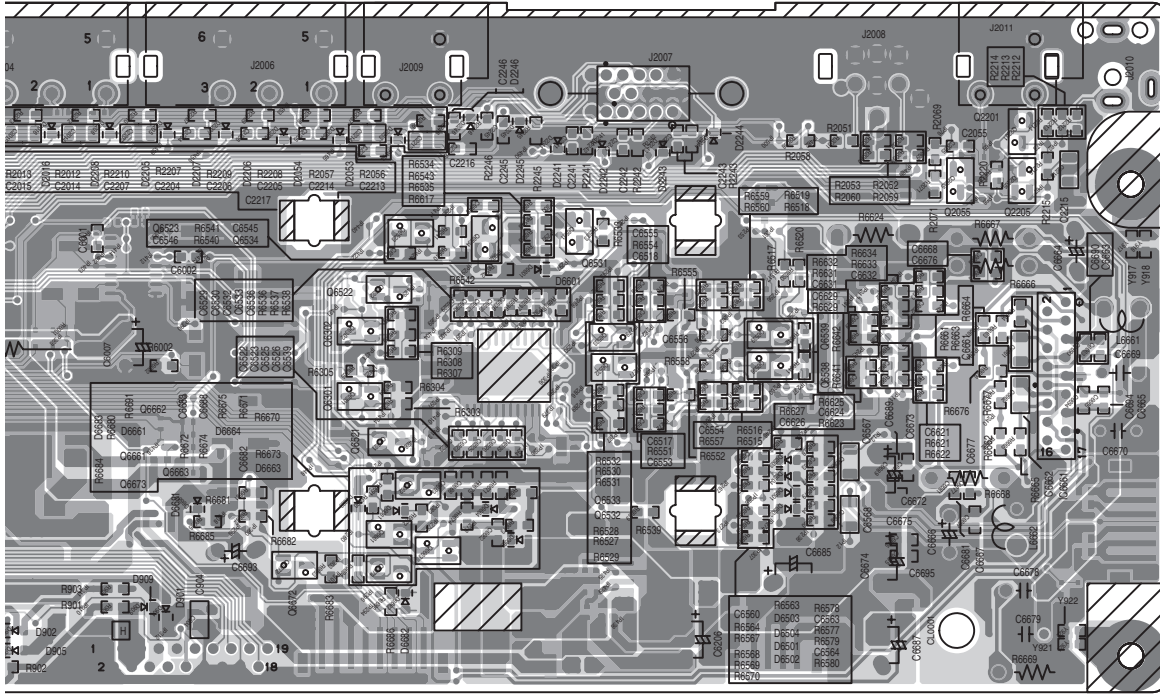
RECEIVER PWB PATTERN [PARTS SIDE]



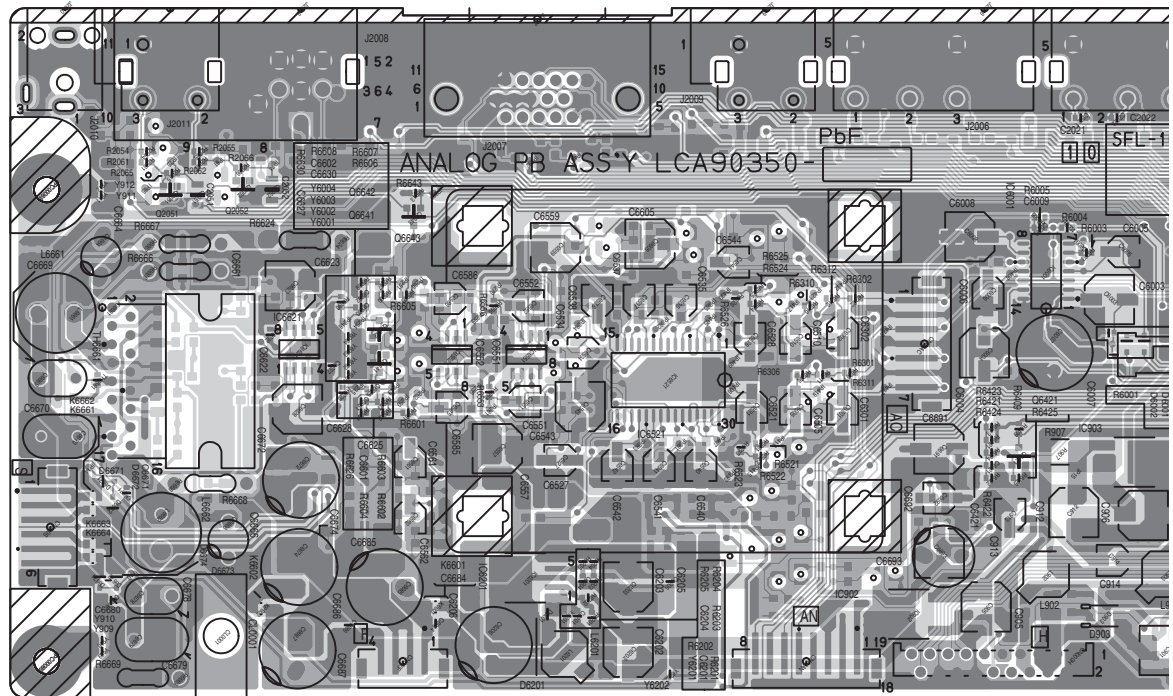
REGULATOR PWB PATTERN [PARTS SIDE]







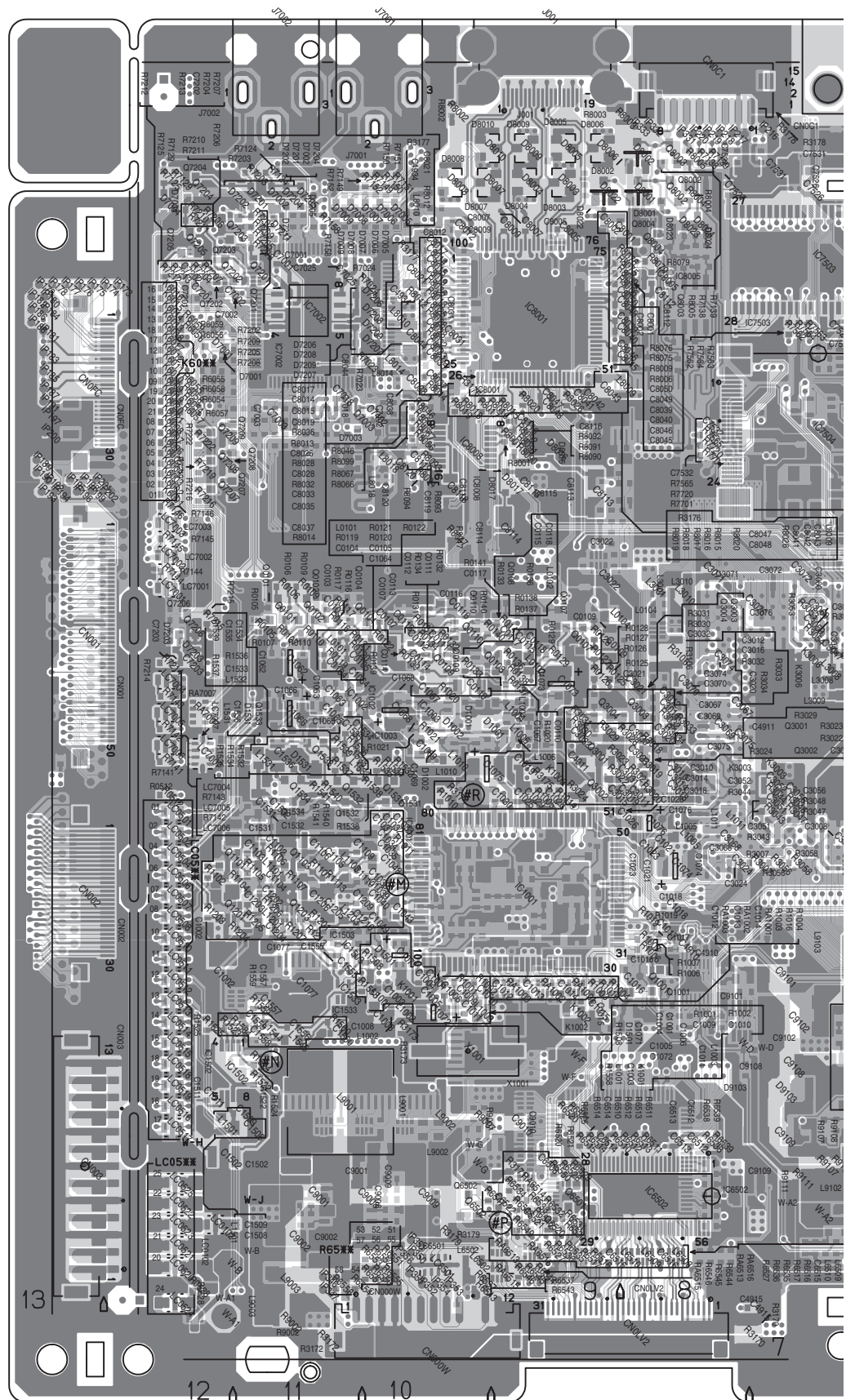
2-57(No.YA179)

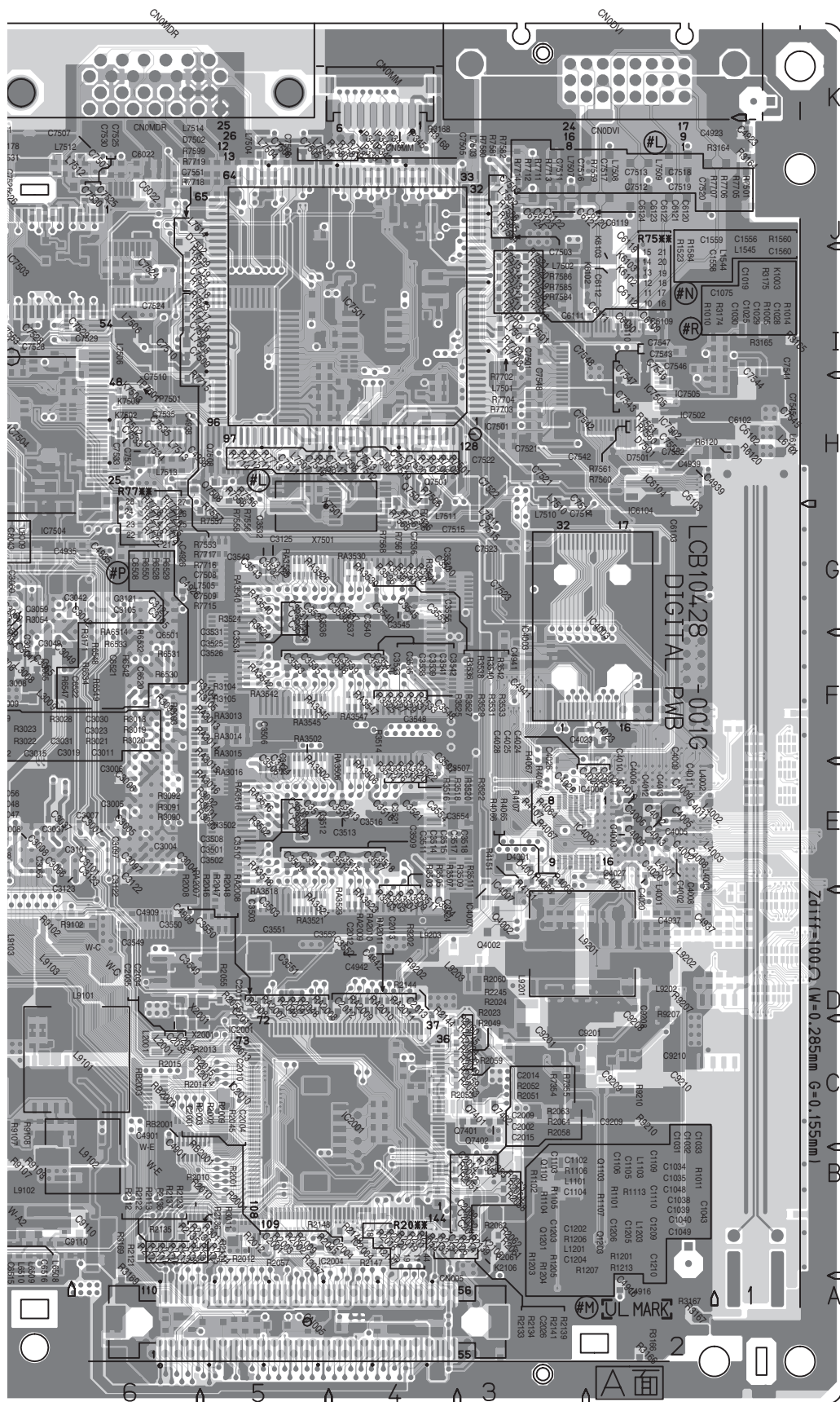


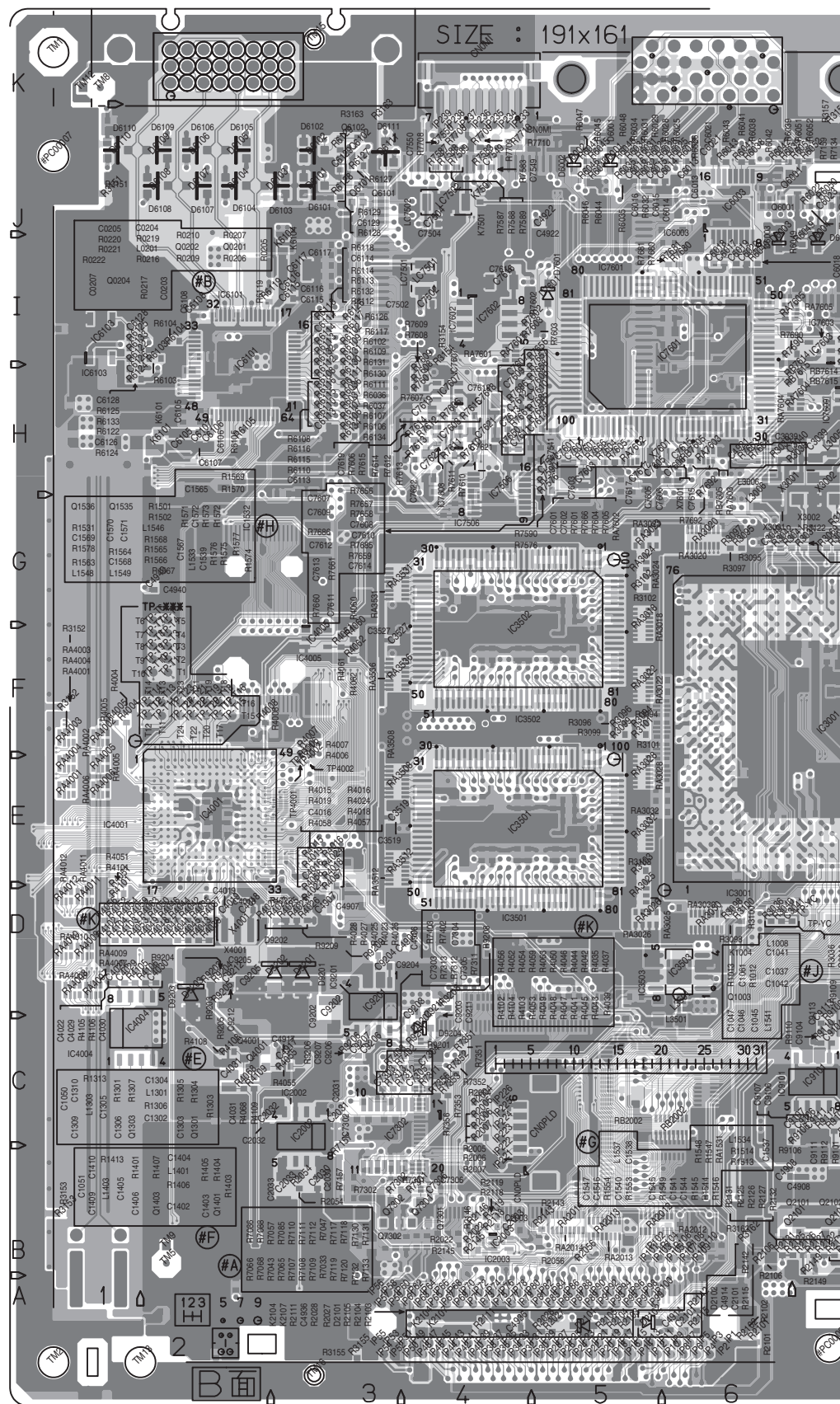


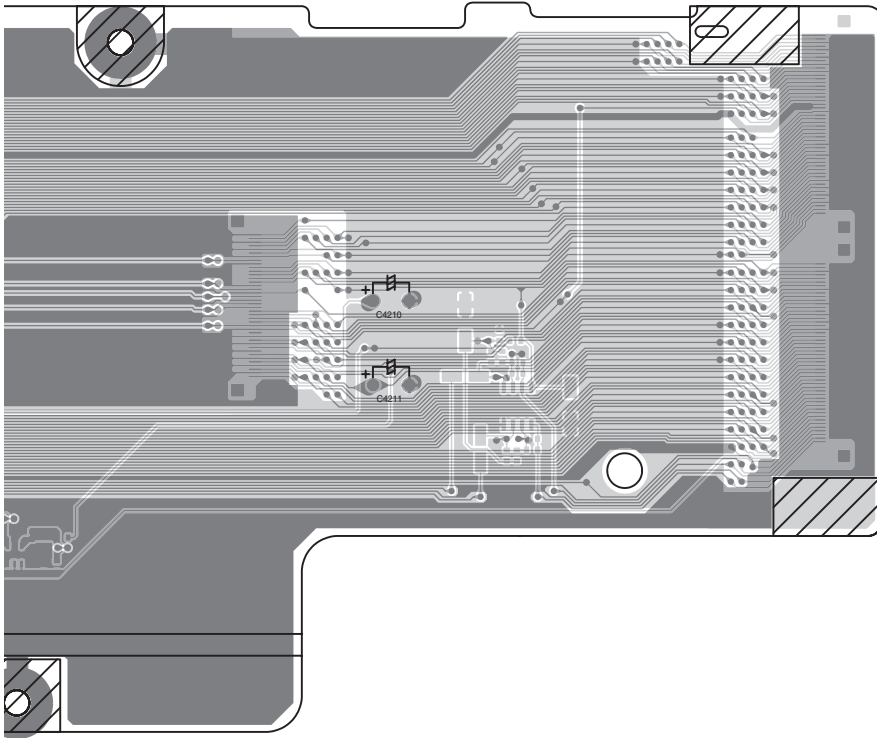
DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]

TOP

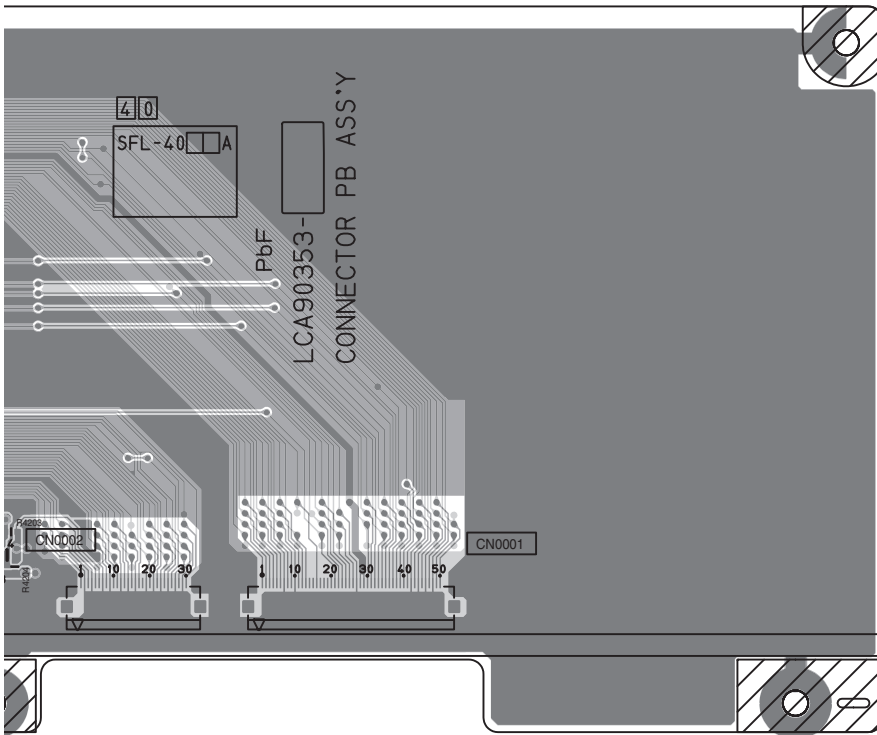



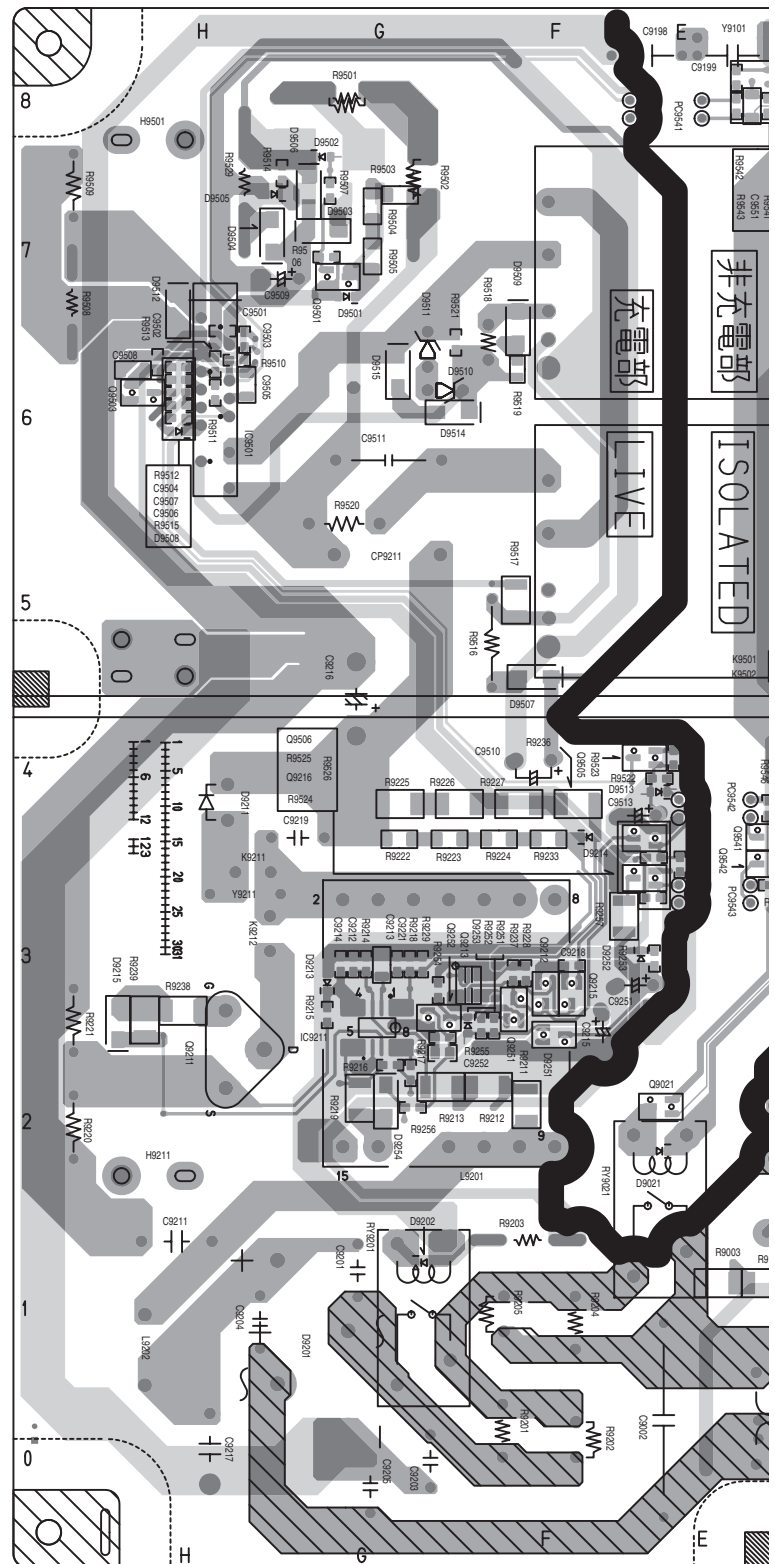






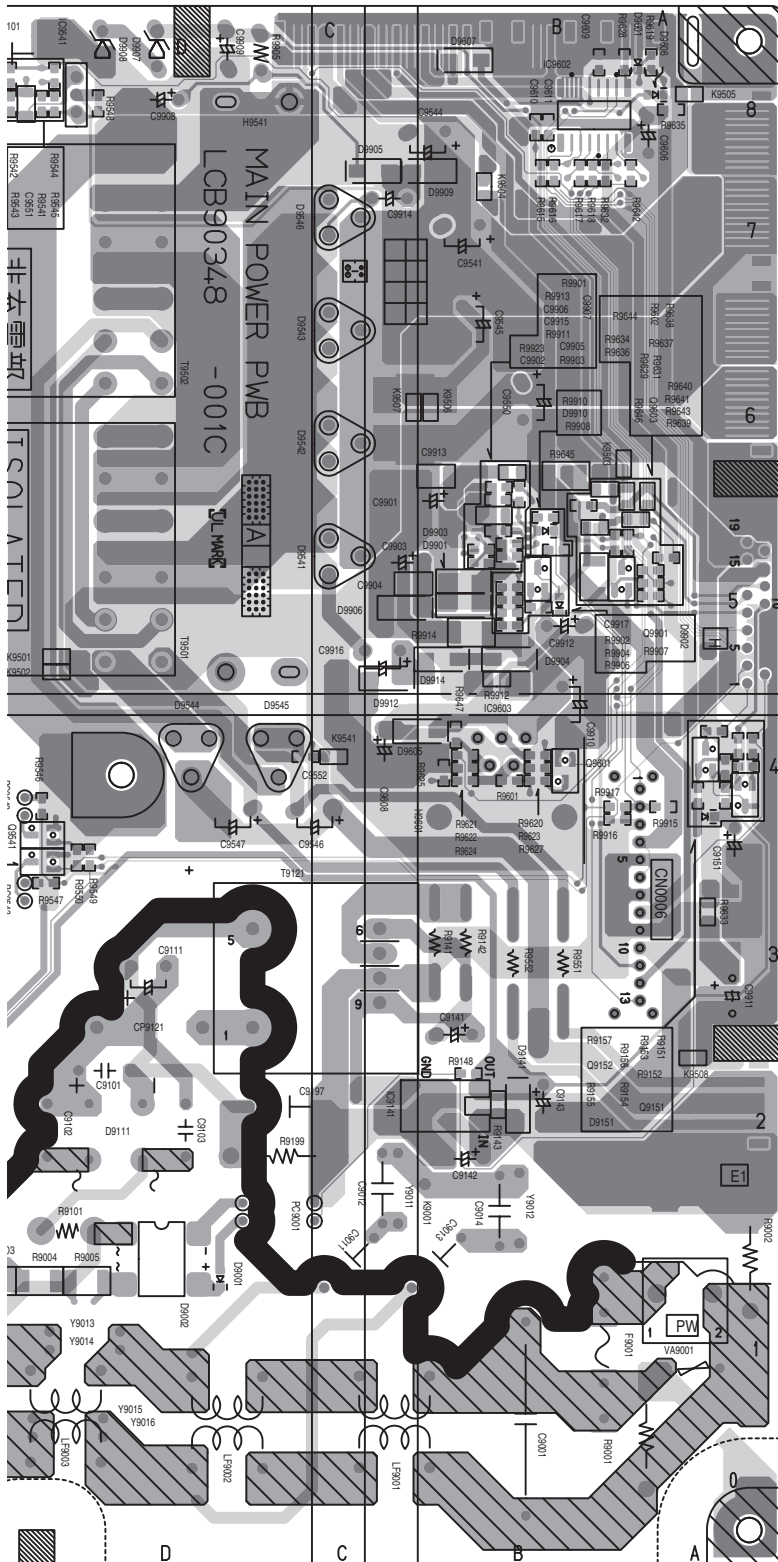
TOP
↑



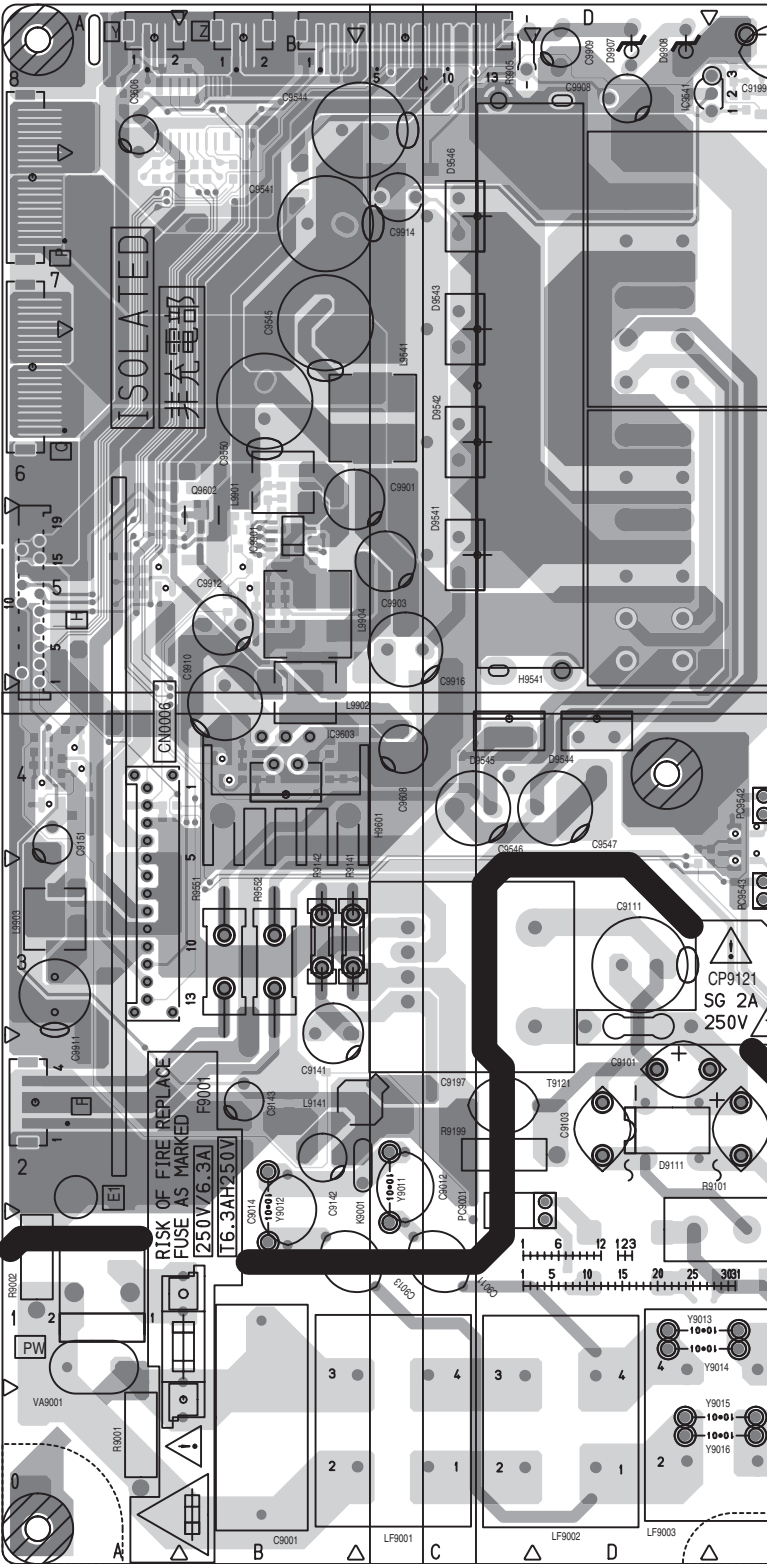




CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).

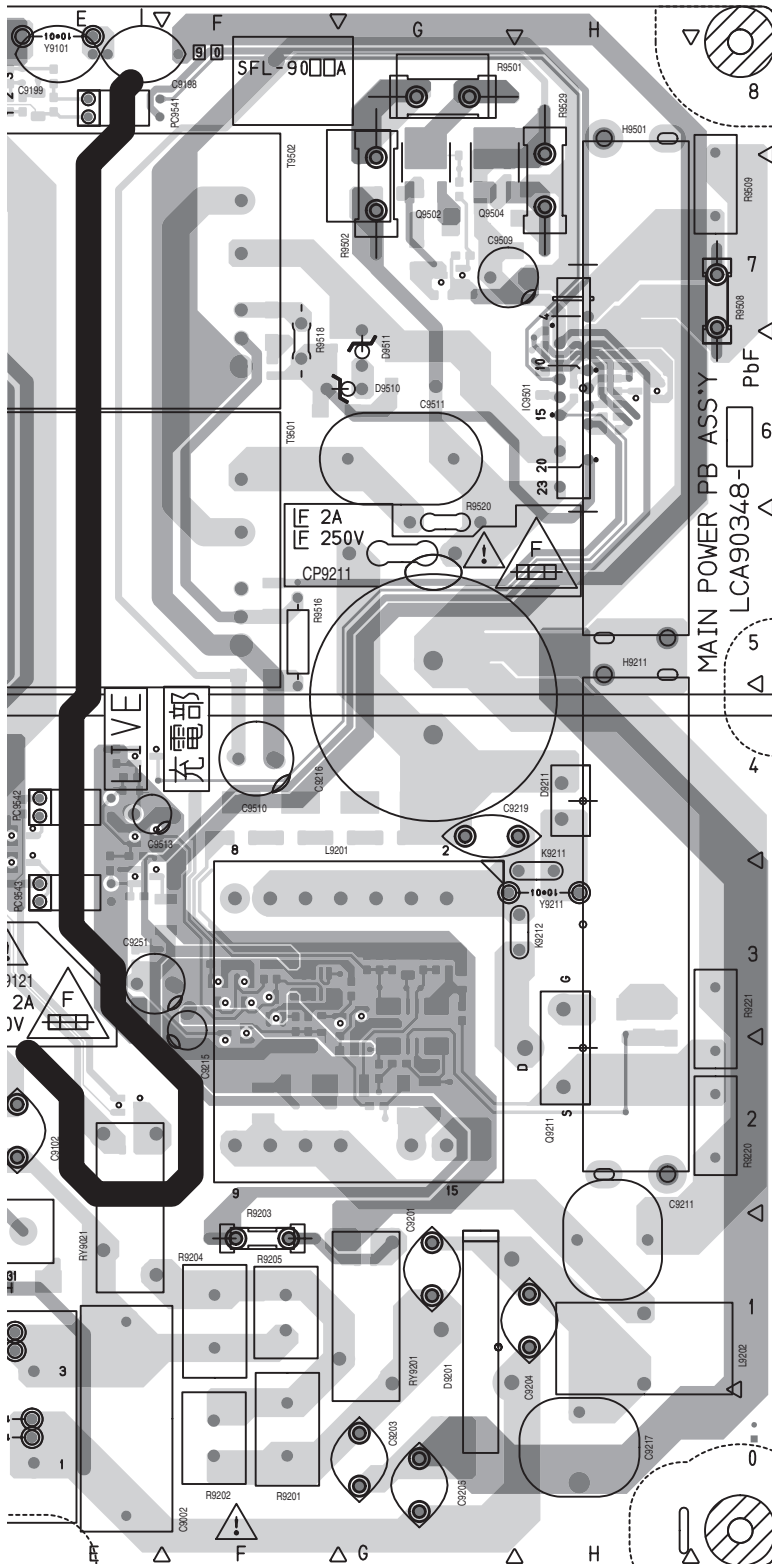


FRONT
↑





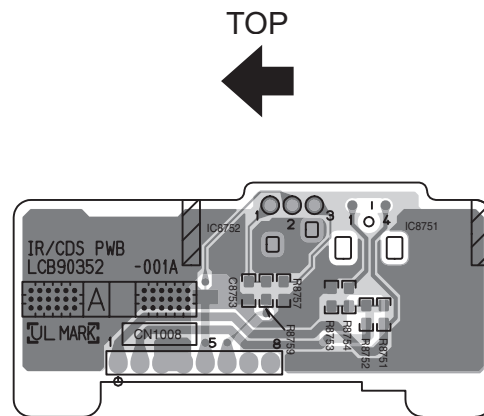
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S)
AND ROHM'S MFR'S TYPE CP(S).



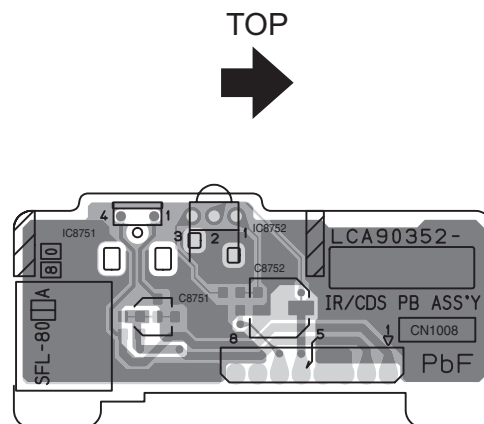
2-69(No.YA179)



FRONT SENSOR PWB PATTERN [SOLDER SIDE]



FRONT SENSOR PWB PATTERN [PARTS SIDE]



VOLTAGE CHARTS

<RECEIVER>

P.2-7 - P.2-8	MODE PIN NO.	DC (V)
	IC3101	
1	4.1	
2	4.1	
3	4.1	
4	4.1	
5	4.9	
6	4.8	
7	0	
8	0	
9	4.1	
10	4.1	
11	4.0	
12	4.3	
13	4.0	
14	1.3	
15	1.2	
16	0	
17	0	
18	3.2	
19	9.0	
20	0	
21	4.1	
22	4.1	
23	4.1	
24	3.9	
25	4.0	
26	4.0	
27	4.1	
28	2.1	
29	4.0	
30	2.1	
31	2.0	
32	4.0	
33	4.1	
34	4.1	
35	4.0	
36	4.0	
37	4.1	
38	4.1	
39	4.1	
40	4.1	
41	1.2	
42	4.1	
43	4.1	
44	4.0	
45	4.1	
46	4.1	
47	4.1	
48	4.1	
	IC3102	
1	4.5	
2	4.5	
3	4.5	
4	0	
5	4.4	
6	4.5	
7	4.5	
8	9.0	
	Q3001	
E	3.7	
C	0	
B	3.1	
	Q3002	
E	3.1	
C	9.0	
B	3.7	
	TU3001	
2	0	
3	5.0	
4	0	
5	0	
6	0	
7	0.8	
8	1.8	
9	0	
10	5.2	
11	5.2	
12	3.1	
13	2.9	
14	0	
15	31.3	
16	0	
17	1.1	

<ANALOG SIGNAL>

P. 2-9 - P.2-10	
MODE PIN NO.	DC (V)
IC501	
1	4.0
2	4.5
3	4.0
4	4.5
5	4.4
6	0
7	0
8	4.0
9	4.5
10	4.0
11	4.5
12	4.5
13	0
14	0
15	4.0
16	4.5
17	4.0
18	4.5
19	4.4
20	0
21	0
22	4.0
23	4.5
24	4.0
25	4.5
26	4.5
27	0
28	5.0
29	4.5
30	4.0
31	4.5
32	9.1
33	4.9
34	4.9
35	0
36	4.5
37	4.5
38	4.5
39	3.8
40	4.4
41	4.4
42	9.1
43	4.5
44	4.3
45	4.5
46	3.8
47	4.5
48	0
49	4.8
50	4.5
51	4.5
52	4.5
53	4.4
54	4.5
55	3.8
56	4.0
57	0
58	4.4
59	4.5
60	4.0
61	4.4
62	4.5
63	4.3
64	4.5
Q2051	
E	0
C	0
B	-0.4
Q2052	
E	0
C	0
B	-0.3
Q2055	
E	0
C	0
B	0

P.2-11	P.2-12
MODE	DC (V)
IC711	
1	5.2
2	5.3
3	4.6
4	4.6
5	4.6
6	4.6
7	0.3
8	0
9	5.3
10	5.3
11	5.3
12	5.3
13	0
14	5.0
15	4.9
16	5.3
IC801	
1	2.3
2	1.9
3	1.4
4	0.2
5	2.3
6	5.1
7	2.6
8	0
9	0.2
10	0.8
11	2.4
12	5.1
13	4.8
14	4.9
15	0
16	0
17	0
18	0
19	0
20	2.5
21	1.7
22	1.9
23	1.9
24	0
25	2.2
26	2.2
27	2.2
28	0
29	0
30	0
31	0
32	5.1
33	2.3
34	2.4
35	2.5
36	0
37	5.1
38	4.1
39	1.8
40	3.3
41	2.1
42	4.7
43	1.8
44	2.1
45	0
46	2.9
47	3.8
48	1.8
IC802	
1	1.3
2	3.2
3	5.1
4	2.5
5	0
6	1.9
7	2.4
8	0
9	0
10	0
11	5.0
12	0
13	5.1
14	0
15	4.8
16	4.7
17	0
18	0
19	2.5
20	5.1
21	0
22	2.9
23	2.9
24	3.4
25	3.3
26	0
27	3.8
28	1.6
Q402	
S	3.4

MODE PIN NO.	DC (V)
D	2.9
G	4.9
Q403	
S	3.1
D	3.0
G	4.9
Q404	
S	3.2
D	3.2
G	5.2
Q405	
S	3.1
D	3.2
G	5.2
Q801	
E	2.8
C	0
B	2.1
Q802	
E	2.6
C	0
B	2.0
Q810	
E	2.0
C	0
B	1.3
Q851	
E	1.6
C	0
B	1.0
Q853	
E	2.0
C	9.0
B	2.7
Q854	
E	2.7
C	9.0
B	3.2
Q855	
E	1.9
C	0
B	1.3
Q858	
E	3.1
C	9.0
B	3.87
Q859	
E	3.7
C	0
B	3.1
Q862	
E	1.0
C	4.1
B	1.6
Q863	
E	3.4
C	5.1
B	4.1

P. 2-13		P. 2-14	
MODE	DC (V)		
PIN NO.			
IC201			
1	0.4		
2	0.2		
3	0		
4	0		
5	0		
6	0		
7	6.2		
8	0		
9	4.9		
10	0		
11	8.8		
12	1.2		
13	0		
14	0		
15	0.1		
16	0		
17	0		
18	0		
19	0.6		
20	0		
21	4.9		
22	4.8		
23	0		
24	2.1		
25	1.2		
26	2.1		
27	0		
28	0.2		
29	0		
30	5.2		
IC301			
1	5.2		
2	4.9		
3	4.9		
4	0		
5	4.6		
6	00		
7	4.7		
8	5.1		
9	4.7		
10	0.5		
11	4.5		
12	4.5		
13	0		
14	4.7		
15	0		
16	4.7		
17	5.1		
18	4.7		
19	0.5		
20	4.5		
21	4.5		
22	0		
23	4.5		
24	4.5		
25	0		
26	4.3		
27	4.4		
28	0		
29	0		
30	4.3		
31	9.0		
32	0		
33	0		
34	0		
35	4.5		
36	4.5		
37	0		
38	4.5		
39	4.5		
40	0		
41	4.5		
42	0		
43	4.6		
44	0		
45	0		
46	4.6		
47	9.0		
48	4.7		
49	0		
50	4.7		
51	0		
52	4.7		
53	0.5		
54	4.5		
55	4.5		
56	0		
57	4.7		
58	0		
59	4.7		
60	0		
61	4.7		
62	0.5		
63	4.5		
64	4.5		
65			

MODE PIN NO.	DC (V)
66	4.7
67	2.5
68	4.7
69	0.0
70	4.5
71	0
72	0
73	5.2
74	4.7
75	0
76	0
77	0
78	4.5
79	4.5
80	0
Q301	
E	3.8
C	9.0
B	4.5
Q302	
E	3.7
C	9.0
B	4.5
Q303	
E	3.7
C	9.0
B	4.5
Q307	
E	2.9
C	0
B	2.2

P.2-15 - P.2-16	MODE PIN NO.	DC (V)
IC6001	1	8.8
	2	4.1
	3	0.4
	4	0.8
	5	4.0
	6	2.0
	7	0
	8	0
	9	4.1
	10	4.1
	11	0.8
	12	0.4
	13	4.1
	14	
IC6201	1	15.6
	2	2.8
	3	12.3
	4	2.6
	5	0
IC6521	1	6.2
	2	6.2
	3	6.1
	4	6.1
	5	6.1
	6	6.2
	7	6.2
	8	6.2
	9	0.9
	10	6.2
	11	3.2
	12	3.1
	13	4.9
	14	5.0
IC6551	1	15.6
	2	2.8
	3	12.3
	4	2.6
	5	0
	6	6.2
	7	6.2
	8	6.2
	9	0.9
	10	6.2
	11	3.2
	12	3.1
	13	4.9
	14	5.0
IC6552	1	6.3
	2	6.1
	3	6.2
	4	0
	5	6.2
	6	6.2
	7	6.3
	8	12.3
	9	6.2
	10	6.3
	11	6.2
	12	6.2
	13	6.2
	14	6.2
IC6621	1	-15.9
	2	0.2
	3	0
	4	-15.9
	5	0
	6	0
	7	-15.9
	8	15.0
IC6661	1	-15.9
	2	-15.9
	3	-15.8
	4	-15.8
	5	15.6
	6	10.5
	7	1.8
	8	-15.9
	9	-15.9
	10	-15.9
	11	1.9
	12	10.6
	13	15.6
	14	-15.8
	15	-15.3
	16	-15.9
	17	-15.9

MODE PIN NO.	DC (V)
Q6301	
E	5.4
C	12.2
B	6.0
Q6302	
E	5.4
C	12.3
B	5.9
Q6431	
E	9.0
C	-1.4
B	9.4
Q6521	
E	0
C	0
B	-0.2
Q6522	
E	0
C	0
B	-0.2
Q6523	
E	0
C	-0.3
B	0
Q6531	
E	0
C	2.8
B	0
Q6532	
E	0
C	0
B	0.6
Q6533	
E	0
C	0
B	0.6
Q6534	
E	0.7
C	0.6
B	0.1
Q6538	
E	0
C	0
B	0
Q6539	
E	0
C	0
B	0
Q6661	
E	15.6
C	15.5
B	0
Q6662	
E	-15.9
C	-15.8
B	-15.2
Q6663	
E	0
C	0
B	2.8
Q6672	
E	0
C	8.9
B	0
Q6673	
E	8.5
C	-0.2
B	8.8

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC902	
1	5.0
2	0
3	3.2
Q902	
E	5.9
C	5.2
B	5.2

<DIGITAL SIGNAL>
(P.2-19 - P.2-20)

MODE PIN NO.	DC (V)
IC1502	
1	4.3
2	0
3	4.4
4	0
5	3.6
6	0
7	3.6
8	0

<DIGITAL SIGNAL>

MODE PIN NO.	DC (V)
IC1502	
1	4.3
2	0
3	4.4
4	0
5	3.6
6	0
7	3.6
8	0

MODE PIN NO.	DC (V)
IC0401	
1	3.2
2	0.2
3	0
4	3.2
5	3.3
Q0101	
E	2.8
C	8.0
B	3.8
Q0102	
E	8.7
C	3.7
B	8.0
Q0104	
E	4
C	0
B	3.7
Q0107	
E	1.6
C	0
B	0.8
Q0108	
E	0.8
C	9.1
B	1.5
Q0109	
1	1.4
2	0
3	0
4	1.5
5	0
6	1.5
Q0110	
1	0
2	0.6
3	0
4	0
5	0.6
6	0
Q0201	
E	3.0
C	7.9
B	3.7
Q0202	
E	8.7
C	3.9
B	7.9
Q0203	
E	0
C	2.0
B	0
Q0204	
E	4.7
C	0
B	4.0
Q0207	
E	2.5
C	0
B	2.0
Q0208	
E	1.8
C	9.1
B	2.4
Q0209	
1	2.4
2	0.1
3	0
4	2.5
5	0
6	0
Q0210	
1	0
2	0.6
3	0.1
4	0.1
5	0.5
6	0.1
Q0301	
E	3.1
C	7.9
B	3.8
Q0302	
E	8.7
C	3.9
B	7.8
Q0303	
E	0
C	2.0
B	0
Q0304	
E	4.7
C	0
B	4.0
Q0307	
E	2.5
C	

MODE PIN NO.	DC (V)
B	2.0
Q0308	
E	1.8
C	9.1
B	2.4
Q0309	
1	0
2	0.1
3	2.4
4	2.5
5	0.1
6	2.5
Q0310	
1	0
2	0
3	0.6
4	0.1
5	0.3
6	0.1
[P.2-23 - P.2-24]	
MODE PIN NO.	DC (V)
IC1001	
1	2.5
2	1.0
3	1.2
4	0
5	3.3
6	1.7
7	1.6
8	0
9	0
10	1.5
11	0.2
12	0.2
13	0.2
14	0
15	0.2
16	0.2
17	1.5
18	0.2
19	0.2
20	0
21	1.5
22	0.2
23	0.2
24	3.3
25	0.2
26	0.1
27	0
28	0
29	0
30	3.2
31	3.2
32	3.2
33	0
34	0
35	0
36	1.5
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0.7
44	0.9
45	0
46	0.7
47	1.9
48	1.9
49	0
50	0
51	1.5
52	0
53	2.5
54	1.3
55	1.4
56	0
57	0
58	1.3
59	1.5
60	0
61	0
62	0
63	1.1
64	3.3
65	1.0
66	0.8
67	0
68	1.0
69	1.0
70	1.5
71	0.9
72	0

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC1001	
1	2.5
2	1.0
3	1.2
4	0
5	3.3
6	1.7
7	1.6
8	0
9	0
10	1.5
11	0.2
12	0.2
13	0.2
14	0
15	0.2
16	0.2
17	1.5
18	0.2
19	0.2
20	0
21	1.5
22	0.2
23	0.2
24	3.3
25	0.2
26	0.1
27	0
28	0
29	0
30	3.2
31	3.2
32	3.2
33	0
34	0
35	0
36	1.5
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0.7
44	0.9
45	0
46	0.7
47	1.9

MODE PIN NO.	DC (V)
73	0
74	2.3
75	0.2
76	0
77	1.6
78	1.5
79	0
80	1.1
81	0.9
82	1.7
83	1.3
84	0
85	1.1
86	0
87	0.8
88	0.8
89	1.7
90	1.2
91	2.5
92	1.1
93	0
94	1.2
95	0.8
96	2.5
97	2.0
98	0
99	1.1
100	1.5
Q1001	
E	0
C	3.3
B	0
Q1003	
E	1.4
C	2.5
B	2.0
Q1004	
E	4.3
C	0
B	3.7
Q1101	
E	3.0
C	9.0
B	3.7
Q1103	
E	1.8
C	0
B	1.2
Q1201	
E	3.8
C	9.1
B	4.5
Q1203	
E	2.1
C	0
B	1.4
Q1301	
E	3.9
C	9.1
B	4.6
Q1303	
E	2.6
C	0
B	2.0
Q1401	
E	4.0
C	9.1
B	4.6
Q1403	
E	2.6
C	0
B	1.9

MODE PIN NO.	DC (V)
IC3004	
1	3.2
2	3.3
3	0
4	0.2
5	3.3
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	5.3
IC3005	
1	0
2	0
3	0
4	0
5	3.3
IC3006	
1	3.2
2	0.2
3	0
4	0
5	0
6	0
7	0
8	3.3
IC3403	
1	0
2	3.3
3	0
4	3.3
IC3501	
1	1.2
2	2.4
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.4
15	2.4
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0.4
24	0.4
25	1.7
26	1.7
27	1.7
28	0
29	0.7
30	0.7
31	0.7
32	0.7
33	0.7
34	0.7
35	2.4
36	0.7
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.7
46	0
47	0.7
48	0.7
49	0.7
50	0.7
51	0.7
52	0
53	1.7
54	1.3
55	1.2
56	0.4
57	0.4
58	1.2
59	2.5

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MODE PIN NO.	DC (V)
60	1.2
61	1.2
62	0
63	1.2
64	1.2
65	2.4
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	0
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.4
96	0
97	1.2
98	1.2
99	0
100	1.2
IC3502	
1	1.2
2	2.4
3	1.2
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	2.4
15	2.4
16	0
17	1.2
18	1.2
19	0
20	1.2
21	1.2
22	2.5
23	0.4
24	0.4
25	0.4
26	0.4
27	0.4
28	0.4
29	0.4
30	0.4
31	0.4
32	0.4
33	0.4
34	0.4
35	0.4
36	0.4
37	0.4
38	0.4
39	0.4
40	0.4
41	0.4
42	0.4
43	0.4
44	0.4
45	0.4
46	0.4
47	0.4
48	0.4
49	0.4
50	0.4
51	0.4
52	0.4
53	0.4
54	0.4
55	0.4
56	0.4
57	0.4
58	0.4
59	0.4
60	0.4
61	0.4
62	0.4
63	0.4
64	0.4
65	0.4
66	0.4
67	0.4
68	0.4
69	0.4
70	0.4
71	0.4
72	0.4
73	0.4
74	0.4
75	0.4
76	0.4
77	0.4
78	0.4
79	0.4
80	0.4
81	0.4
82	0.4
83	0.4
84	0.4
85	0.4
86	0.4
87	0.4
88	0.4
89	0.4
90	0.4
91	0.4
92	0.4
93	0.4
94	0.4
95	0.4
96	0.4
97	0.4
98	0.4
99	0.4
100	0.4

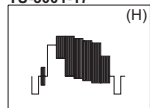
MODE PIN NO.	DC (V)
56	0.4
57	0.4
58	1.2
59	2.5
60	1.2
61	1.2
62	0
63	1.2
64	1.2
65	2.5
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	2.5
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.5
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.5
96	2.5
97	1.2
98	1.2
99	0
100	1.2
IC3503	
1	0
2	2.4
3	1.2
4	1.2
5	2.5
6	2.4
7	2.5
8	1.2
9	1.2
10	2.4
11	0.7
12	0.3
13	0.3
14	0.3
15	0.3
16	0.3
17	0.3
18	0.3
19	0.3
20	0.3
21	0.3
22	0.3
23	0.3
24	0.3
25	0.3
26	0.3
27	0.3
28	0.3
29	0.3
30	0.3
31	0.3
32	0.3
33	0.3
34	0.3
35	0.3
36	0.3
37	0.3
38	0.3
39	0.3
40	0.3
41	0.3
42	0.3
43	0.3
44	0.3
45	0.3
46	0.3
47	0.3
48	0.3
49	0.3
50	0.3
51	0.3
52	0.3
53	0.3
54	0.3
55	0.3
56	0.3
57	0.3
58	0.3
59	0.3
60	0.3
61	0.3
62	0.3
63	0.3
64	0.3
65	0.3
66	0.3
67	0.3
68	0.3
69	0.3
70	0.3
71	0.3
72	0.3
73	0.3
74	0.3
75	0.3
76	0.3
77	0.3
78	0.3
79	0.3
80	0.3
81	0.3
82	0.3
83	0.3
84	0.3
85	0.3
86	0.3
87	0.3
88	0.3
89	0.3
90	0.3
91	0.3
92	0.3
93	0.3
94	0.3
95	0.3
96	0.3
97	0.3
98	0.3
99	0.3
100	0.3

P.2-31 - P.2-32	
MODE PIN NO.	DC (V)
IC4003	
1	0
2	0
3	0
4	0
5	0
6	0
7	3.2
8	3.3
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0.3
22	0.5
23	0.4
24	0
25	0.5
26	0.5
27	0.5
28	0.5
29	0.4
30	3.3
31	0
32	3.3
IC4004	
1	0
2	0
3	0
4	0
5	3.3
6	3.2
7	0
8	3.3
IC4005	
1	2.7
2	1.4
3	0
4	-1.0
5	3.3
Q4001	
E	0
C	0.3
B	0.6

P.2-31 - P.2-32	
MODE PIN NO.	DC (V)
IC6502	
1	3.3
2	0.8
3	1.4
4	0
5	0
6	0.3
7	0
8	0
9	3.2
10	0.9
11	0
12	0.3
13	0
14	1.5
15	1.1
16	0
17	0
18	0.6
19	0.7
20	0.8
21	0
22	0.4
23	0.4
24	0
25	1.6
26	3.2
27	3.3
28	0
29	0
30	2.7
31	1.2
32	3.3
33	0
34	0
35	0
36	0
37	1.1
38	1.3
39	1.1

WAVEFORMS

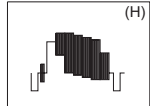
RECEIVER PWB
(SHEET1)
TU-3001-17



0.8 Vp-p

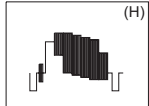
ANALOG SIGNAL PWB (1/5)
(SHEET2)

IC501-44



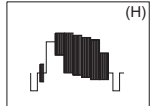
1.8 Vp-p

IC501-49



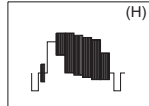
1.8 Vp-p

IC501-53



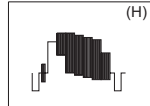
1.8 Vp-p

IC501-56



1.8 Vp-p

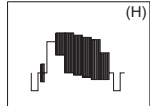
IC501-63



0.9 Vp-p

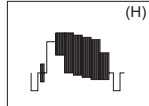
ANALOG SIGNAL PWB (2/5)
(SHEET3)

IC801-1



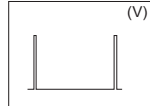
0.8 Vp-p

IC801-3



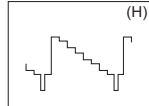
1.8 Vp-p

IC801-4



4.8 Vp-p

IC801-5



0.7 Vp-p

IC801-7



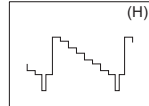
0.3 Vp-p

IC801-9



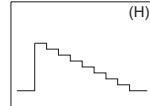
4.4 Vp-p

IC801-11



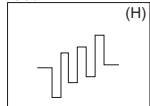
0.7 Vp-p

IC801-21



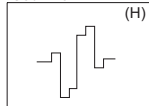
0.5 Vp-p

IC801-22



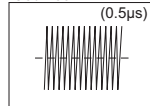
0.6 Vp-p

IC801-23



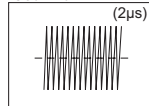
0.6 Vp-p

IC801-38



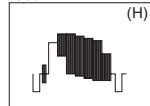
0.3 Vp-p

IC801-46



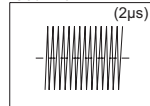
0.8 Vp-p

IC802-7



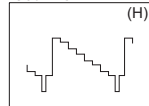
0.8 Vp-p

IC802-19



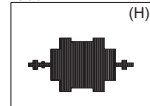
0.5 Vp-p

IC802-25



1.5 Vp-p

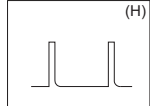
IC802-27



0.7 Vp-p

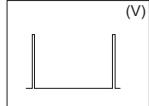
ANALOG SIGNAL
PWB (3/5) (SHEET4)

IC201-1



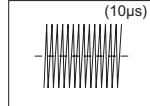
4.4 Vp-p

IC201-2



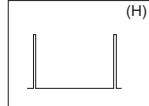
4.6 Vp-p

IC201-9



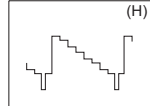
0.2 Vp-p

IC201-19



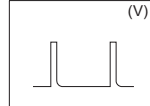
2.8 Vp-p

IC201-26



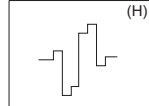
0.8 Vp-p

IC201-29



3.0 Vp-p

IC301-35



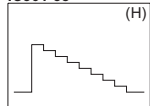
0.9 Vp-p

IC301-36



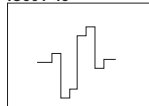
0.8 Vp-p

IC301-38



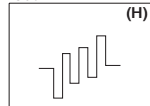
1.0 Vp-p

IC301-43



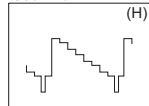
1.4 Vp-p

IC301-44



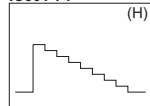
1.4 Vp-p

IC301-46



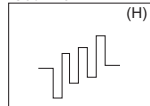
1.0 Vp-p

IC301-74



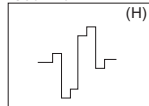
0.5 Vp-p

IC301-75



0.4 Vp-p

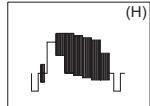
IC301-76



0.6 Vp-p

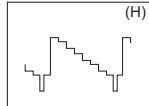
DIGITAL SIGNAL
PWB (1/11) (SHEET7)

IC1502-1



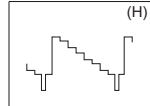
1.8 Vp-p

IC1502-5



1.6 Vp-p

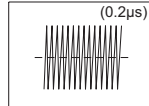
IC1502-7



1.6 Vp-p

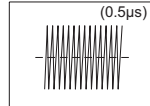
DIGITAL SIGNAL
PWB (3/11) (SHEET9)

IC1001-7



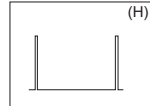
4.6 Vp-p

IC1001-58



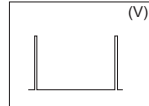
4.8 Vp-p

IC1001-75



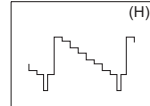
3.3 Vp-p

IC1001-76



3.2 Vp-p

IC1001-85



0.6 Vp-p

DIGITAL SIGNAL
PWB (7/11) (SHEET13)

IC6502-27



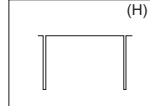
3.3 Vp-p

IC1001-92



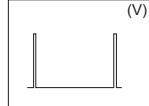
0.7 Vp-p

IC1001-94



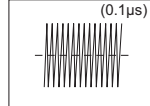
0.7 Vp-p

IC6502-28



3.2 Vp-p

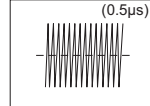
IC6502-31



3.0 Vp-p

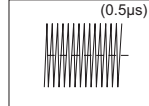
DIGITAL SIGNAL
PWB (9/11) (SHEET15)

IC7601-13



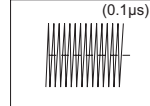
3.0 Vp-p

IC7601-15



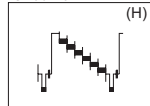
2.4 Vp-p

IC7601-17



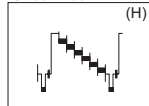
5.2 Vp-p

IC7601-97



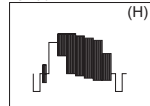
1.7 Vp-p

IC7601-100



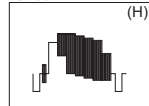
1.7 Vp-p

IC7607-2



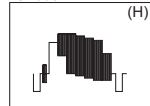
2.0 Vp-p

IC7607-4



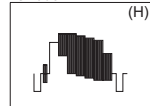
0.8 Vp-p

IC7608-2



2.0 Vp-p

IC7608-4



0.8 Vp-p

DIGITAL SIGNAL
PWB (10/11) (SHEET16)

IC7001-23



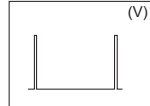
2.2 Vp-p

IC7001-24



4.2 Vp-p

IC7001-78



3.2 Vp-p

CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	II
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	IV
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
		ULTRA	W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
			W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
W+80	121				
W+81	122				
W+82	123				
W+83	124				
W+84	125				
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 } 69	IV	
TOTAL 180CH { VHF 124CH UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A	14	
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
		HYPER	S	32	
			T	33	
			U	34	
V	35				
W	36				
W+1	37				
W+2	38				
W+3	39				
W+4	40				
W+5	41				
W+6	42				
W+7	43				
W+8	44				
W+9	45				
W+10	46				
W+11	47				
W+12	48				
W+13	49				
W+14	50				
W+15	51				
W+16	52				
W+17	53				
W+18	54				
W+19	55				
W+20	56				
W+21	57				
W+22	58				
W+23	59				
W+24	60				
W+25	61				
W+26	62				
W+27	63				
W+28	64				
ULTRA	W+29	65			
	W+30	66			
	W+31	67			
	W+32	68			
	W+33	69			
	W+34	70			
				IV	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
		W+83	124		
		W+84	125		
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
		A-1	99		
○	×	UHF	14 } 69	IV	
TOTAL 180CH { VHF 124CH { UHF 56CH					
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.					